रजिस्ट्री सं. डीएल—33001/2001 REGISTERED No. DL—33001/2001

सत्यमेव जयते

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2
[PART III—SECTION 2]
[पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Kolkata, the 20th October 2001

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586 1257, 586 1258
Fax No. 011 586 1256.

Patent Office Branch,
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6th Floor, Annex II
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CHENNAI–600 018.

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Pondicherry and the Union
Territories of Laccadive,
Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 431 4324/4325/4326.
Fax No. 431 4750/4751.
Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th & 7th Floor,
234/4, Acharya Jagadish Bose Road,
KOLKATA–700 020.
Rest of India.
Telegraphic address "PATENTS"
Phone No. 247 4401, 4402/4403,
Fax No. 033 247 3851, 033 240 1353.

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पेटेंट कार्यालय
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कोलकाता, दिनांक 20 अक्तूबर 2001

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :--

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादरा और नगर हवेली।

तार पता - "पेटोफिस"
फोन - 492 4058, 496 1370, 490 3684
फैक्स - 022 495 0622.

पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटोफिस"
फोन - 586 1255, 586 1256, 586 1257
586 1258
फैक्स - 011 586 1256

पेटेंट कार्यालय शाखा,
गुणा कम्पलैक्स, छठा तल, एनैक्स II,
443, अन्नासलाई,
तेनाम पेट, चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र, लक्षद्वीप, मिनिकाय तथा
एमिनिदिवि द्वीप।

तार पता - "पेटेंटोफिस"
फोन - 431 4324/4325/4326,
फैक्स - 431 4750/4751

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5वा, 6ठा तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"
फोन - 247 4401, 4402/4403,
फैक्स - 033 247 3851, 033 240 1353

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

CORRIGENDUM

Please read the application form of application for Patent No 630/Cal/96 (181639) as follows substituting the earlier corrigendum, notified on 29 09 2001

In item No (ii) Please read "have been made" after "that" in lieu of "we have made an" AND read by "PRECISION VALVE AUSTRALIA PTY LTD AND M K PLASTICS PTY LTD" after the words " date namely "

In item No (iii) please read that we are the assignee of PRECISION VALVE AUSTRALIA PTY LTD , a company incorporated in Australia, of 85 Williamson Road, Ingleburn, New South Wales, 2565 Australia, AND RODNEY MALCOLM DRUITT, a citizen of Australia of Digby Cottage, North Luffenham Hall, North Luffenham, Rutland Lei 58JR, United Kingdom, of which said PRECISION VALVE AUSTRALIA PTY LTD , are one of the co-applicants in the convention country and said ERODNEY MALCOLM DRUITT is the Assignee of M K PLASTICS PTY LTD , a company incorporated in Australia of 1 Lincoln Road, Georges Stall, New South Wales, 2198, Australia, the other co applicant in convention country

Delete the item numbers "(iii), (iv) and (v)" to read as item Nos "(iv), (v), (vi)" respectively

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 020

The dates shown in the crescent brackets are the dates claimed under section 135, under Patent Act, 1970

21 8 2001

460/Cal/2001 Steel Authority of India Limited Process technology for production of high formable LPG steel

461/Cal/2001 Lin Chwen Yih Glasses capable of accommodating automatically

462/Cal/2001 Paxar Corporation Composite label web and method of using same

(Convention No (s) 09/645,846 filed on 24 8 2000 and 09/925,478 filed on 10 8 2001 in U S A)

463/Cal/2001 Uni-Charm Corporation Composite sheet

(Convention No (s) 2000-257640 filed on 28 8 2000 and 2000-298973 filed on 29 9 2000 in Japan)

464/Cal/2001 Indian Institute of Technology The production of pollution free gaseout fuel

465/Cal/2001 Wu Hsuan-Lung, Lathe with a polygon machining device

22 8 2001

466/Cal/2001 Spotlessplastics Pty Ltd Coordinate loop garment hanger

(Convention No 09/653,140 filed on 31 8 2000 in U S A)

467/Cal/2001 Trutzschler GmbH Co Kg Device for operating a feed equipment for fibre material for example hopper feeder

(Convention No 10043338 3 filed on 2 9 2000 in Germany)

23 8 2001

468/Cal/2001 Steel Authority of India A process for producing high strength (YS 750MPa, Min) and high toughness (82J at — 85°C, Min) steel plates in thickness ranging from 12–25mm from a lean alloy hsla steel

469/Cal/2001 Mcnell-PPC, Inc Sanitary absorbent article having flaps and an improved adhesive pattern

(Convention No 09/648,872 filed on 25 8 2000 in U S A)

470/Cal/2001 1 Simplex Concrete Piles (India) Limited, 2 Dr N S Fox A method of producing a cavity for formation of engineered aggregate piers

24 8 2001

471/Cal/2001 Chivukula Venkata Gopalakrishna Murty, Dutta Gautam, Gokarn Prabhash, Das Mohit, Chatterjee Jayant Kumar, Roy Priyadarshan and the Tata Iron and Steel Company Limited A process for the production of ultra low phosphorus ferro chrome in a furnace

472/Cal/2001 Alstom Power Boiler GMBH Procedure and also apparatus for the cleaning of flue gases containing sulfur dioxide

(Convention No 10045586 7–24 filed on 15 9 2000 in Germany)

473/Cal/2001 W Schlafhorst AG & Co Device for controlling a creel of a textile machine

(Convention No P 10045919 6 filed on 16 9 2000 in Germany)

474/Cal/2001 Thomson Licensing S A Master/slave apparatus for receiving audiovisual programmes

(Convention No 0011263 filed on 5 9 2000 in France)

27 8 2000

475/Cal/2001 NGK Insulators Ltd Suspension insulator

(Convention No 2000-257,294 filed on 28 8 2000 and 2001-211,068 filed on11 7 2001 in Japan)

476/Cal/2001 Thomson Licensing S A An apparatus for receiving audio visual programmes which can for example be linked to a personal computer and/or at least one peripheral such as a printer

(Convention No 0011262 filed on 5 9 2000 in France)

477/Cal/2001 Thomson Licensing S A A simple method for locking/unlocking a programme on a digital receiver of audio-visual programmes

(Convention No 0011264 filed on 5 9 2000 in France)

27 8 2001

478/Cal/2001 HSM Holographic Systems Munchen GmbH, An optical feature, in particular for documents of value, and a manufacturing method for the later individualisation or data storage

(Convention No (s) 10050556 2, 10055429 6 and 01 117285 5 filed on 12 10 2000, 9 11 2000, 17 7 2001 in Germany and EPO respectively)

479/Cal/2001 Hewlett-Packard Company Dual ink jet print carriage for web printing

(Convention No 09/655,179 filed on 5 9 2000 in U S A)

28 8 2001

480/Cal/2001 Md Islam Sayeed Rail handling device

29 8 2001

481/Cal/2001 (i) Prof Pradip Kumar Das (ii) Prof Atal Chaudhuri, (iii) Mrs Rina Das A novel automatic Braille Transcription system

482/Cal/2001 Prof Hiranmay Saha A novel apparatus for growing thin layer(s) of crystals on substrates and a process for preparing such layer(s)

483/Cal/2001 Dr Gaurisankar SA and Dr Tanya Das A process for producing pure curcumin from curcuma longa linn and preparation of an antitumor, antitoxic and immunomodulatory composition containing the same

484/Cal/2001 Herbicure Private Limited Invention of new process for leaf extract preparation of abies webbiana (lindl)

485/Cal/2001 Dr Gerhard Mann Chemisch-Pharmazeutische Fabrik GmbH Sterile opthalmic gel drop preparation

(Divided out of No 1431/Cal/96 antedated to 9 8 96)

486/Cal/2001 Mckenna Brendan Apparatus for use in the transportation of liquids, gels, thixotropic fluids and the like

(Convention No 0021298 5 filed on 30 8 2000 in Great Britain)

487/Cal/2001 Pai Lung Machinery Mill Co Ltd Improved yarn feeder for circular knitting machine

488/Cal/2001 Nippon Shokubai Co Ltd Method for production of armomatic fluorine compound

(Convention No 2000-268454 filed on 5 9 2000 in Japan)

489/Cal/2001 1 Wopfinger Stein-Und Kalkwerke Schmid & Co and 2 Novak Denes Hydraulic binder

30 8 2001

490/Cal/2001 Dr Amalesh Sirkar An improved process for hydrogenation of vegetable oil

491/Cal/2001 Sony Computer Entertainment Inc Packing box, method for manufacturing the packing box, method for using the packing box, and method for reading information thereon

492/Cal/2001 Sony Computer Entertainment Inc Information system for managing product guarantee information

493/Cal/2001 Hitachi Ltd Certificate validity authentication method and apparatus

(Convention No 2000-261065 filed on 30 8 2000 in Japan)

INTERNATIONAL APPLICATION FOR PATENT FILED UNDER PATENTCOOPERATION TREATY (PCT) AT PATENT OFFICE .

Application No	PCT/IN01/00103
Date of Filing	21-May-01
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Priority Claim On	
Field of Invention	
Title	STERILE LAMINAR AIRFLOW DEVICE

Application No	PCT/IN01/00104
Date of Filing	21-May-01
Applicant	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Priority Claim On	09/805,832
Field of Invention	
Title	A PROCESS FOR THE PREPARATION OF SUBSTITUTED TRANS-CINNAMALDEHYDE, A NATURAL YELLOW DYE, FROM PHENYLPROPANE DERIVATIVES

Application No	PCT/IN01/00105
Date of Filing	23-May-01
Applicant	DATTA DEBATOSH
Priority Claim On	
Field of Invention	
Title	LYSINA/ ANALOGUE(S) POLYMER(S) MEDICATED WOUND HEALING AND ANGIOGENESIS

Application No	**PCT/IN01/00106**
Date of Filing	**24-May-01**
Applicant	**VASUDEV SHARMA**
Priority Claim On	
Field of Invention	
Title	**A BIDIRECTIONAL KNIFE GATE VALVE WITH FLEXIBLE PERIPHERAL SEAL**

Application No	**PCT/IN01/00107**
Date of Filing	**25-May-01**
Applicant	**GOENKA ADITYA SHYAM SUNDER**
Priority Claim On	
Field of Invention	
Title	**A METHOD AND DEVICE FOR RECOVERY OF WATER FROM THE ATOMOSPHERIC AIR**

Application No	**PCT/IN01/00108**
Date of Filing	**08-Jun-01**
Applicant	**MSPL LTD.;**
Priority Claim On	
Field of Invention	
Title	**A NOVEL POROUS SULPHA SPONGE IRON COMPUND, A PROCESS FOR PREPARING THE SAME AND A METHOD FOR DESULPHURIZING NATURAL GAS THEREWITH**

Application No	**PCT/IN01/00109**
Date of Filing	**12-Jun-01**
Applicant	**BIOCON INDIA LTD.**
Priority Claim On	
Field of Invention	
Title	**A PROCESS FOR THE PREPARATION AND PURIFICATION OF THE ENZYME PECTIN METHYL ESTERASE.**

Application No	**PCT/IN01/00110**
Date of Filing	**13-Jun-01**
Applicant	**CADILA HEALTHCARE LTD.;**
Priority Claim On	**333/MUM/2001 IN**
Field of Invention	
Title	**PROCESS FOR THE PRODUCTION OF AMORPHOUS ATORVASTATIN CALCIUM**

Application No	**PCT/IN01/00111**
Date of Filing	**13-Jun-01**
Applicant	**CADILA HEALTHCARE LTD.;**
Priority Claim On	**334/MUM/2001 IN**
Field of Invention	
Title	**PROCESS FOR THE PRODUCTION OF ATORVASTATIN CALCIUM IN AMORPHOUS FORM**

Application No	**PCT/IN01/00112**
Date of Filing	**24-Jul-01**
Applicant	**ORCHID CHEMICALS & PHARMACEUTICALS**
Priority Claim On	
Field of Invention	
Title	**NEW STABLE SALTS OF S-ADENOSYL-L-METHIONINE(SAMe) AND THE PROCESS FOR THEIR PREPARATION**

Application No	**PCT/IN01/00113**
Date of Filing	**14-Jun-01**
Applicant	**ORCHID CHEMICALS & PHARMACEUTICALS LTD.**
Priority Claim On	
Field of Invention	
Title	**PREPARATION OF NEW INTERMEDIATES AND THEIR USE IN MANUFACTURING OF CEPHALOSPORIN COMPOUNDS**

Application No	**PCT/IN01/00114**
Date of Filing	**14-Jun-01**
Applicant	**BIOCON INDIA LTD.;**
Priority Claim On	**PCT/IN01/00006**
Field of Invention	
Title	**A PROCESS FOR THE SYNTHESIS OF ATORVASTATIN FORM V.**

Application No	**PCT/IN01/00115**
Date of Filing	**14-Jun-01**
Applicant	**J. MITRA & CO. LTD.**
Priority Claim On	**593/DEL/2000**
Field of Invention	
Title	**DIAGNOSTIC KIT FOR INVITRO DETECTION OF HEPATITIS C**

Application No	**PCT/IN01/00116**
Date of Filing	**15-Jun-01**
Applicant	**J. MITRA & CO. LTD.**
Priority Claim On	
Field of Invention	
Title	**SEE THROUGH TESTING DEVICE**

Application	**PCT/IN01/00117**
Date of Filing	**18-Jun-01**
Applicant	**AJANTA PHARMA LTD.;**
Priority Claim On	**561/MUM/2000 IN**
Field of Invention	
Title	**A CONTROLLED RELEASE ANTI-INFLAMMATORY FORMULATION AND A PROCESS FOR THE PREPARATION THEREOF**

Application No	**PCT/IN01/00118**
Date of Filing	**19-Jun-01**
Applicant	**RASHID MD. HAROON**
Priority Claim On	
Field of Invention	
Title	**EFFICIENT ECRIS/ECRIT HAVING SUFFICIENT CUSP MAGNETIC FIELD**

Application No	**PCT/IN01/00119**
Date of Filing	**19-Jun-01**
Applicant	**DAFTARY GAUTAM;**
Priority Claim On	**223/MUM/2000**
Field of Invention	
Title	**AMPHOTERICIN B STRUCTURED EMULSION**

Application No	**PCT/IN01/00120**
Date of Filing	**21-Jun-01**
Applicant	**SUN PHARMACEUTICAL INDUSTRIES LTD.;**
Priority Claim On	**119/MUM/2001**
Field of Invention	
Title	**ORAL OSMOTIC CONTROLLED DRUG DELIVERY SYSTEM FOR A SPARINGLY SOLUBLE DRUG.**

Application No	**PCT/IN01/00121**
Date of Filing	**22-Jun-01**
Applicant	**ROAHAN RANESH;**
Priority Claim On	
Field of Invention	
Title	**A WEATHER PROOF ENCLOSURE WITH MODULAR STRUCTURE**

Application No	**PCT/IN01/00122**
Date of Filing	**25-Jun-01**
Applicant	**JAI RAMESH DASARI;**
Priority Claim On	
Field of Invention	
Title	**A METHOD OF MANUFACTURING LOW LOSS LAMINATED MAGNETIC CORE FOR MAGNETIC CIRCUITS OF ROTATING ELECTRICAL MACHINERY FROM THIN RIBON OF AMORPHOUS MAGNETIC METAL ALLOY.**

Application No	**PCT/IN01/00123**
Date of Filing	**27-Jun-01**
Applicant	**JOSHI, SHAILESHKUMAR;**
Priority Claim On	**608/mum/2000 IN**
Field of Invention	
Title	**CORE PROTECTED WELDING ELECTRODE FOR TOTAL ALLOYONG AND PROCESS OF MANUFACTIRING THEREOF**

Application No	PCT/IN01/00124
Date of Filing	28-Jun-01
Applicant	DR. REDDY'S RESEARCH FOUNDATION
Priority Claim On	
Field of Invention	
Title	NOVEL 3-ARYL-ALPHA-OXY SUBSTITUTED PROPANOIC ACIDS AND A PROCESS FOR THEIR PREPARATION

Application No	PCT/IN01/00125
Date of Filing	28-Jun-01
Applicant	DR. REDDY'S RESEARCH FOUNDATION
Priority Claim On	
Field of Invention	
Title	NOVEL COMPUNDS AND A PROCESS FOR THEIR PREPARATION

Application No	PCT/IN01/00126
Date of Filing	28-Jun-01
Applicant	DR. REDDY'S RESEARCH FOUNDATION
Priority Claim On	
Field of Invention	
Title	NNOVEL 3 ARYL-ALPHA-AMINO PROPANOIC ACID DERIVATIVES AND A PROCESS FOR THEIR PREPARATION

ALTERATION OF DATE

186688 filed on 26.3.93

314/Del/93 Ante dated to 10.1.92.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999

The Classification given below in respect of each specification are according to Indian Classification and International Classification systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-

स्वीकृत संपूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि संलग्न आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत् विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत् यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिएं।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों में यथाविहित फोटोप्रति शुल्क एवं दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 86A 186641

Int Cl. : A 47B, 88/04, 88/10, 88/16

A DOUBLE EXTENTION DRAWER SLIDE FOR A DRAWAR TYPE FURNITURE UNIT SUCH AS FILING CABINET OR TABLE

Applicant : M/S GODREJ & BOYCE MFG CO. LTD AN INDIAN COMPANY, AT PIROJSHA NAGAR, VIKHROLI, MUMBAI-400 079, MAHARASHTRA, INDIA.

Inventor(s) : 1. VIJAY SAMBHAJI CHAVAN, 2. RAJNISH NARHAR THANEKAR

Application No. : 268/Bom/96 filed on 15.05.1996

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

05 Claims

A double extension drawer slide for a drawer type furniture unit such as filing cabinet or table consisting of a fixed channel adapted to be locatable in the furniture unit and rigidly connectable thereto, an intermediate channel slidingly linearly movably disposed in the fixed channel, a drawer channel slidingly linearly movably disposed in the intermediate channel and adapted to be rigidly connectable to a drawer movably located in the furniture unit, a first linear ball slide freely disposed between the drawer channel and intermediate channel and a second linear ball slide freely disposed between the intermediate channel and fixed channel, each of said first and second linear ball slides comprising a channel shaped cage formed of a base and a pair of side walls projecting therefrom in spaced apart relationship with each other and having balls rotatably linearly housed in the side walls thereof in point contact with the respective drawer channel and intermediate channel and fixed channel, stopper means to limit the linear movements of the drawer channel and intermediate channel and anti-rebound means to prevent rebound of the drawer channel.

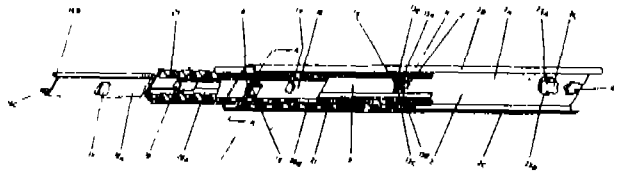


FIG.1

(Compl. Specn. : 19 Pages. Drgns. Sheets : 12)

Ind Cl 172 C9 186642

Int Cl B 65 H-20/00

DEVICE FOR SMOOTHING DOWN A RUNNING MATERIAL WEB

Applicant ERHARDT + LEIMER GMBH LEITERSHOFER STRABE 80 D 86157 AUGSBURG, GERMANY

Inventor 1 WERNER GEYER

Application No 292/Bom/96 filed on May 31, 1996

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch Mumbai 400 013

15 Claims

A device for smoothing out a running material web having a marginal edge and a down stream direction of travel comprising

at least two driven threaded spindles engaging the marginal edge of the material web each spindle having a free end, an axis and a plane E each plane E intersecting the respective axis and extending parallel to the web as it runs up on the respective spindle and

a web-guiding body located upstream of at least the first of said spindles in the down stream direction, said web guiding body having a guiding segment located at least in the region of the free end between the web and plane E

(Compl Speen 22 Pages Drgs Sheets 3)

Ind Cl 201 D [II (4)] 186643

Int Cl C 02F 1/32 A 61L 2/10

AN ULTRA VIOLET DISINFECTOR

Applicant URMINUS INDUSTRIES LTD , 30/110 LAXMI INDUSTRIAL ESTATE NEW LINK ROAD ANDHERI (WEST) MUMBAI 400 053 MAHA RASHTRA, INDIA

Inventor(s) 1 DR ASHOK JAGANNATH GADGIL 2 MR VIKAS GARUD

Application No 305/Bom/96 filed on 07 06 96

Complete Specification filed after Provisional Specification on 03 01 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch Mumbai 13

20 Claims

A UV disinfector providing a narrow distribution of feed water resistence time and UV dose, comprising

(a) A gravity driven feed water delivery system

(b) A laminerizing baffle wall downstream of feed water delivery system the baffle wall having a plurality of spaced perforations

(c) An air-suspended UV lamp,

(d) A beveled treatment chamber beneath the UV lamp down-stream of the baffle wall,

(e) An outlet weir at the end of the beveled treatment chamber, the outlet weir defining approximately equal water flow paths through the treatment chamber from each of the perforations, and

(f) A shut off device at the inlet port to cut off power supply whenever water supply is interrupted

(Provn Speen 12 Pages Drgns Sheet 1)

Compl Speen 59 Pages Drgns Sheets 9)

Ind Cl 133 B [LIX (3)] 186644

Int Cl G 05 F-3/04 H 02 K-11/00

AN IMPROVED ELECTRICAL ENERGY REGULATOR

Applicant RIDER ELECTRONICS LIMITED, OF 418, HILL VIEW INDUSTRIAL ESTATE, OFF L B S MARG, GHATKOPAR (WEST), BOMBAY-400 086, MAHA RASHTRA, INDIA AN INDIAN COMPANY

Inventor(s) HEMANT RATILAL VORA

Application No 380/Bom/96 with Provisional Specification filed on 19 7 96

Complete after Provisional Specification filed on 13 10 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

03 Claims

An improved electrical energy regulator for incandescent lamps, fans or the like consisting of a pair of capacitors, a triac, a diac, an inductor and a potentiometer, all connected to each other to constitute an electronic circuit which is mounted on a printed circuit board and then housed in a

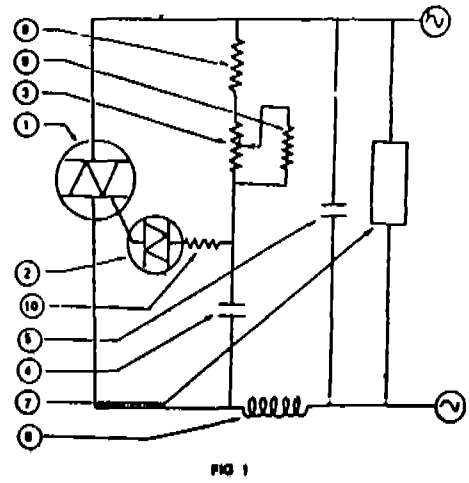


FIG 1

housing such that one end of the potentiometer protrudes out of the housing on which a knob is mounted to control its operation characterized in that a resistor is included in the said electronic circuit as shown in the accompanying drawing

(Provn Specn 05 Pages Drgns Sheet 1)

(Compl Specn 08 Pages Drgns Sheet 1)

Ind Cl 170 B+D [XLIII(4)] 186645

Int Cl C 11 D 1/94, 3/06, 3/37

A DETERGENT COMPOSITION AND A PROCESS FOR MANUFACTURING THE SAME

Applicant HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, MUMBAI 400020, MAHARASHTRA, INDIA

Inventor(s) 1 VINODKUMAR RAMNIRANJAN DHAHUKA 2 FAKHRUDDIN ESMAIL PACHA

Application No 523/Bom/96 filed on 29 10 96

Complete Specification filed after Provisional Specification on 08 10 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai 13

20 Claims

A detergent composition comprising a builder system consisting of a water dispersible precipitating builder, and a water soluble sequestering builder, atleast a part of said precipitating builder being present in non granular form and substantially all said water soluble sequestering builder being present in the form of granules coated with a coating material such that upon dispersion in solution less than 1% wt of the said sequestering builder is released into solution within 30 seconds of mixing and rest of the sequestering builder is released into solution thereafter

(Provn Specn 16 Pages Drngs Sheet Nil)

(Compl Specn 20 Pages Drngs Sheet 2)

Ind Cl 94 I [XXXIII(4)] 186646

Int Cl C 13 D 1/06

AN IMPROVED TWO ROLL SUGARCANE CRUSHING MILL

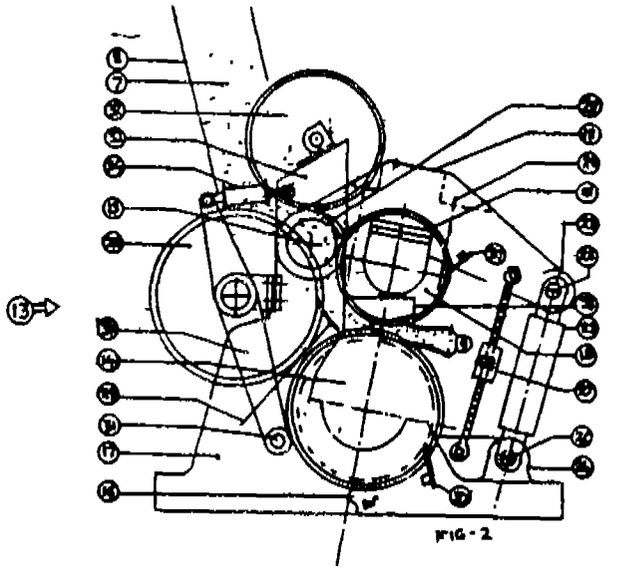
Applicant & Inventor(s) BHAUSAHEB BAPURAO INKAM 526, NARAYAN PETH, PUNE 411030, MAHARASHTRA, INDIA

Application No 17/Bom/97 filed on 10 01 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

17 Claims

An improved two roll sugarcane crushing mill comprising of a plurality of improved two roll mill modules in tandem, each of the said improved two roll mill modules comprise a pair of main crushing rolls consisting of a bottom roll and top roll the said bottom roll being rotatingly mounted in a pair of main frames/head stocks at the two ends, the said top roll being rotatingly mounted in a pair of top beams/lever arms at the two ends, one end of each of the said top beams being pivotally attached near the upper end of the head stocks towards feed side for swinging the said top beams along with the top roll a hydraulic loading means pivotally attached between the end of the said top beam and the base of the main frame, at least one feeder roller with, a scrapper cum deflector with juice drainage means provided in the close proximity of the said main crushing rolls, the said feeder roller being mounted on an auxiliary frame and the said auxiliary frame being rigidly or pivotally mounted preferably on the said main frame for swingably adjusting the loading and setting the said feeder roller in desired position



Ind Cl 94 I [XXXIII (4)] 186647

Int Cl C 13 D 1/06

AN IMPROVED INTER CARRIER LESS SUGARCANE CRUSHING MILL

Applicant & Inventor BHAUSAHEB BAPURAO NIKAM, 526, NARAYAN PETH, PUNE-411 030 MAHARASHTRA, INDIA

Patent Application No 37/Bom/97 filed on 21 01 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

14 Claims

An improved intercarrier less, sugar cane crushing mill, comprising a plurality of mill modules in tandem, each mill module, preferably, consisting of a top roll and a bottom roll

having its central axis in substantially vertical position, the first mill module of the said mill tandem being provided with at least one feeder roller and a short stationery closed pressure chute being provided in between the two adjacent mill modules for conveying the bagasse coming out of one mill module to the next successive mill module

(Compl Specn : 13 Pages. Drgns. Sheets : 4)

Ind. Cl. : 94 I. 186648

Int. Cl. . C 13 D 1/06

AN IMPROVED SUGAR CANE CRUSHING MILL

Applicant & Inventor(s) : BHAUSAHEB BAPURAO INKAM 526, NARAYAN PETH, PUNE-411030, MAHARASHTRA, INDIA.

Application No. : 74/Bom/97 filed on 06.02.97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

11 Claims

An improved sugarcane crushing mill mainly comprising of a plurality of two or three roll mill modules provided in tandem, each module consisting of top roll and a bottom roll, in case of a two roll mill module or a top roll, a feed roll and a discharge roll incase of a three roll mill module, all the two/three rolls being provided with peripheral grooves and one or two rolls may be lotus (perforated) rolls, one or more feeder roller/s provided in addition and adjacent to one or more of the said two/three roll mill modules and atleast one of the said feeder roller/s being provided with juice dramage means, either in the form of short scraper-cum-deflector and/ or in the form of lotus roller, adopted for feeding a compact mat of prepared cane/bagasse, directly to the said mill module, almost at the same speed as the surface speed of mill rolls/ feed taking rolls and without sharp change in direction and without needing a closed stationery pressure chute.

(Compl. Specn. : 10 Pages. Drgns. Sheet : 3)

Ind. Cl. : 89 [XLI (6)] 29A [XLI (2)]. 186649

Int. Cl. : G 01B 7/32, G 01B 7/03.

A PORTABLE WET BLUE LEATHER AREA MEASURING DEVICE

Applicant : TATA EXPORTS LIMITED, AN INDIAN COMPANY AT BLOCK A, SHIVSAGAR ESTATE, DR. ANNIE BESANT ROAD, WORLI, MUMBAI-400 018, MAHARASHTRA INDIA.

Inventor(s) : NISHIKANT BHAGWAN KARMARKAR.

Application No. : 118/Bom/1997 filed on 26.02.1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

07 Claims

A portable wet blue leather area measuring device consisting of a pressure switch board comprising a plurality of pressure switches arranged at uniform pitch in straight rows along the X-axis and Y-axis, a microprocessor connected to the pressure switches and a display unit connected to the microprocessor, the pressure switch board, microprocessor and display unit are enclosed in a hermetically sealed non-corrosive housing and connectable to an electric power supply

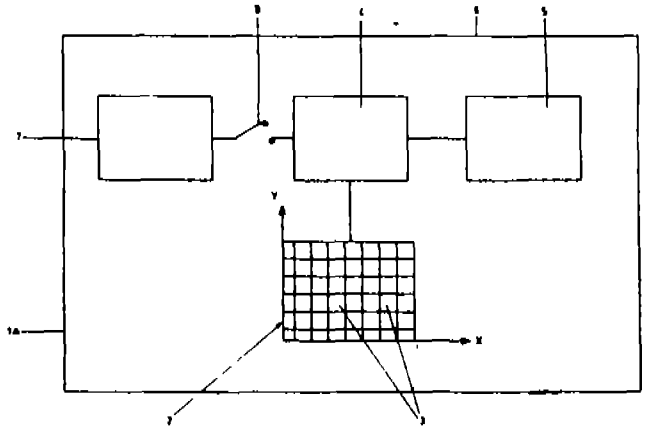


FIG-1

(Compl Specn. . 10 Pages. Compl. Drgns Sheets : Nil)

Ind. Cl. . 80D (VI) 186650

Int. Cl. A 47L, 9/10, F 02M, 1/00.

AIR-INTAKE SYSTEM.

Applicant : FILTERWERK MANN + HUMMEL GMBH HINDENBURGSTR 37-45, POSTFACH 409, 71631, LUDWIGSBURG, GERMANY, GERMAN COMPANY

Inventor . HEINZ MULLER.

Patent Application No . 119/Bom/97 filed on 26.02.97.

Priority Data No. 296 08 472 + dated 10.05.96 of Germany

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

4 Claims

An air-intake system for internal combustion engine comprising a housing (10), divided into an upper part (11) and bottom part (12), said bottom part is provided with a diffuser (13) to supply unfiltered air; a pot type element (16) is located at the end of the diffuser fastened by means of links (17, 18); an filter element (14) is located between the upper part and bottom part of the housing and chucked in contract area of both housing part by known fastening means thereby filtered air is vented through the air outlet (15) to the internal combustion engine.

(Compl. Specn : 7 Pages. Drgns Sheets : 2)

Ind. Cl. : 40H IV. 186651

Int. Cl. : B01 D, 53/00, 53/02, 53/04.

A PROCESS FOR THE PREPARATION OF A MOLECULAR SIEVE ADSORBENT FOR SELECTIVELY ADSORBING OXYGEN FROM A GASEOUS MIXTURE.

Applicant INDIAN PETROCHEMICALS CORPORATION LIMITED P O PETROCHEMICALS, DIST VADODARA-391 346, GUJARAT, INDIA

Inventor(s) 1 NETTERM VENKATESHWARLU CHOUDARY, 2 RAKSH VIR JASRA, 3 SODANKOOR GARADI THIRUMALESHWAR BHAT

Application No 149/Bom/97 filed on 10 03 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

15 Claims

A process for the preparation of a molecular sieve adsorbent for selectively adsorbing oxygen from a gaseous mixture consisting of oxygen nitrogen and or an inert gas such as argon said process comprising

(a) Preparing in any known manner a mixture of zeolite powder with conventional clay and organic binder,

(b) Shaping said zeolite mixture to obtain adsorbent bodies of desired shape

(c) Subjecting adsorbent bodies to calcinations, and

(d) Subjecting said adsorbent bodies either prior to or after calcinations or both, to cationic exchange in the presence of at least a cerium salt solution to effect surface modification of said adsorbent bodies to obtain and molecular sieve adsorbent which is oxygen selective

(Compl Specn 24 Pages Drgns Sheets 5)

Ind Cl 40 H [IV (1)] 186652

Int Cl B 01 D-53/02, 53/04

A PROCESS FOR PREPARATION OF A MOLECULAR SIEVE ADSORBENT COMPOSITION FOR SELECTIVELY ADSORBING NITROGEN FROM A GASEOUS MIXTURE

Applicant INDIAN PETROCHEMICALS CORPORATION LIMITED, P O PETROCHEMICALS, DIST VADODARA 391 346, GUJARAT, INDIA

Inventor(s) 1 NETTERM VENKATESHWARLU CHOUDARY, 2 RAKSH VIR JASRA, 3 SODANKOOR GARADI THIRUMALESHWAR BHAT

Application No 151/Bom/97 filed on 10 03 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

15 Claims

A process for the preparation of a molecular sieve adsorbent composition for selectively adsorbing nitrogen from a gaseous mixture consisting of nitrogen, oxygen and/or an inert gas said process comprising

(a) preparing in any known manner a mixture of zeolite powder with conventional clay and organic binder,

(b) shaping said zeolite mixture to obtain adsorbent bodies of desired shape,

(c) subjecting adsorbent bodies to calcination, and

(d) subjecting said adsorbent bodies either prior to or after calcination or both, to cationic exchange in the presence of at least a rare earth salt solution such as hereinbefore described to effect surface modification of said adsorbent bodies to obtain said molecular sieve absorbent which is nitrogen selective

(Compl Specn 23 Pages Drgns Sheets 5)

Ind Cl 34B 186653

Int Cl A 41 D, 1/00

A METHOD OF MANUFACTURING DURABLE CREASED CELLULOSIC FIBRE TEXTILE

Applicant NISSHINBO INDUSTRIES INC 31 11, NIHONBASHI NINGYOCHO 2 CHOME, CHUO KU, TOKYO, JAPAN JAPANESE, COMPANY

Inventor(s) 1 YUICHI YANAI, 2 TAKAYUKI HIRAI, 3 MASAYOSHI OBA, 4 KIYOSHI IKEDA 5 YASUSHI TAKAGI, 6 TAKEO ISHIKAWA, 7 KAZUHIKO HARADA, 8 HIROTAKA IIDA 9 KAZUHIKO ARAKAWA, 10 MASAZUMI II 11 YUZO NAKAMMURA

Application No 220/Bom/97 filed on 11 04 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai 13

06 Claims

A method of manufacturing durable creased cellulosic fibre textile comprising the steps of

(i) treating the fibre textile with liquid ammonia,

(ii) creasing the fibre textile

(iii) subjecting the fibre textile to the hot water or alkali treatment substantially simultaneous or subsequent to the creasing steps, and

(iv) neutralizing by acid and washing of the fibre textile at least 20 second from the creasing step

(Compl Specn 28 Pages Drgns Sheet 3)

Ind Cl 66 D 9 186654

Int Cl H 01 K—9/02

AN IMPROVED DOUBLE FILAMENT LAMP AND LIKE

Applicant & Inventor(s) ANUJ KUMAR BARDIA, 144 JAWAHAR NAGAR JAORA 457-226 DIST RATLAM (MADHYA PRADESH) INDIA

Inventor(s) INDIAN NATIONAL

Application No 275/Bom/97 filed on 30 04 1997

Complete after Provisional left 04 07 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

05 Claims

An improved double filament lamp and the like comprising of a glass bulb, encasing at least two filaments, each filament connected to a pair or electrodes and a cap sealingly provided over the said glass bulb the said cap having a pair of holding pins and a pair of eyelets, at least one of the said eyelet on the cap being bifurcated/divided into two parts, separated out by a air gap for connecting one end of each filament separately through the respective electrodes, the other end of the two filaments connected to the two electrodes being jointly connected to the other eyelet on the cap and a plug pin partly made of electric conductive material and partly non-conductive material removable provided over the said bifurcated eyelet for completing one electric circuit, through one filament at a time, while insulating the other circuit, through other filament

(Compl Specification 7 Pages Drgns Sheets 1)

Ind Cl 152 E + F 186655

Int Cl C 08 L--27/06

AN IMPROVED COMPOSITION FOR THE MANUFACTURE OF SOFT FLEXIBLE SUBZERO STABLE PVC SHEET FOR MAKING COLLAPSIBLE CONTAINER

Applicant M/s MITRA INDUSTRIES LTD, A 180, OKHLA INDUSTRIAL AREA, PHASE I, NEW DELHI 110020, INDIA

Inventor NITIN MAHAJAN

Application No 292/Bom/1997 filed on 08 05 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai 13

02 Claims

An improved composition for the manufacture of soft flexible subzero stable PVC sheet for making collapsible container comprising

PVC	—	100 parts by weight
Dioctyle Phthalate	—	15 25 phr
Epoxidised Soyabean Oil	—	10-15 phr
Dioctyle Adipate	—	15-25 phr
Calcium Zinc Heat Stabilizer	—	1 5-3 phr
Organic Phosphate Chilator	—	0 5-1 5 phr
Calcium Stearate (Lubricant)	—	0 25-0 75

(phr means parts per hundred parts of Resin by weight)

(Compl Specn 5 Pages Drgns Sheet Nil)

Int Cl A 61 B 05/14 186656

Ind Cl 99 H

AN IMPROVED PLASTIC COLLAPSIBLE BAG FOR HUMAN BLOOD, BLOOD COMPONENTS AND THE LIKE FLUIDS

Applicant MITRA INDUSTRIES LTD AN INDIAN COMPANY, A—180, OKHLA INDUSTRIAL AREA, PHASE I, NEW DELHI-110 020, INDIA

Inventor MR NITIN MAHAJAN

Patent Application No 293/Bom/97 filed on 8 May, 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

8 Claims

An improved plastic collapsible bags for storing liquid, semi-fluids made of soft PVC comprising a tamper proof non-peelable label means for testing sterility of the bag, a needle assembly connected to the said bag by means of soft PVC tubing, means for protections needle bevel, a pair of ports tube provided in the upper peripheral seal of the said bag wherein a pair of ribs are provided around the said port tube sealing area to give extra strength to the said bag eleminating chances of collapse of said port tubing, a centrally located hanging means provided in the peripheral seal of the said bag and a series of symetrical notches provided at the outer peripheral seal of the said bag

(Compl Specn 6 Pages Drgns Sheet 1)

Ind Cl 128 F [XIX(2)] 186657

Int Cl A 61 M—5/00, A 61 M—5/32

AN IMPROVED NEEDLE ASSEMBLY FOR COLLAPSIBLE BAGS

Applicant M/s MITRA INDUSTRIES LTD, A-180, OKHLA INDUSTRIAL AREA, PHASE-I, NEW DELHI-110020, INDIA

Inventor NITIN MAHAJAN

Application No 294/Bom/1997 filed on 08 05 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

07 Claims

An improved needle assembly for collapsible bags comprising a hub, a cannula having bevel end fixed to the said hub, a bevel protection sleeve provided for capping the bevel end of said cannula protecting the sharp edge of the cannula bevel, a needle cover made from soft PVC having its one end closed and other end open, slid over the said sleeve, and sealed air tight on to the said hub and a barrier provided near the open end of the said needle cover to provide restricted movement

(Compl Specn 4 Pages Drgns Sheet Nil)

Ind Cl 111 [XLII(5)] 186658

Int Cl B 65C 3/08

A METHOD OF MANUFACTURING IMPROVED PLASTIC COLLAPSIBLE BAGS FOR STORING HUMAN BLOOD, BLOOD COMPONENTS AND THE LIKE FLUIDS

Applicant MITRA INDUSTRIES LTD ,A-180 OKHLA INDUSTRIAL AREA, PHASE-I, NEW DELHI 110020 INDIA

Inventor(s) MR NITIN MAHAJAN

Application No 296/Bom/97 filed on 08 05 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

06 Claims

A method of manufacturing plastic collapsible bags for storing human blood, blood components and the like fluids characterized by affixing a temperproof non-peelable label or sticker on the plastic collapsible blood bag or plastic medical bag made of soft PVC sheet, the said label being produced by laminating a paper sheet with a platic film, printing the contents on the outer side of the said laminated sheet by a suitable colour or combination of colours, a temperature sensitive mark for assuring sterility, printed on the said laminated sheet and radio frequency sealing of the said printed laminated sheet to the soft PVC sheet of blood bag or plastic medical bag

(Compl Specn 6 Pages Compl Drgns Sheets Nil)

Ind Cl 25 A [XXV] 186659

Int Cl E 04 C, 1/00

CONCRETE MADE PANEL AND METHOD OF FABRICATING THE SAME

Applicant JOIST CO LTD OF 1-18, HIE-MACHI HAKATA-KU, FUKUOKASHI, FUKUOKA, 812, JAPAN JAPANESE COMPANY

Inventor(s) MITSUO NAKAMURA OF 3, MIZUKI, 6 CHOME, DAZAIFU-SHI, FUKUOKA, 818-01 JAPAN JAPANESE NATIONAL

Application No 386/Bom/97 filed on 30 6 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

11 Claims

A concrete-made panel comprising a pair of first and second concrete layer spaced away from each other by a certain distance, and a corrugated plate sandwiched between said first and second concrete layers and having a uniform magnitude of amplitude, said first and second concrete layers and said corrugated plate being integrally connected with one another in a three-layers structure so that mountain and valley portions of said corrugated plate are partially sunk into said concrete layers and there are formed spaces between mountain and valley portions of said corrugated plate

(Compl Specn 27 Pages Drgns Sheets 11)

Ind Cl 146C 186660

Int Cl G 01 N, 27/00

A HYDROGEN SENSOR FOR MEASUREMENT OF DIFFUSIBLE HYDROGEN IN WELDMENT

Applicant DEPARTMENT OF ATOMIC ENERGY, GOVT OF INDIA, ANUSHAKTI BHAVAN, CHATRAPATI SHIVAJI MAHARAJ MARG, MUMBAI-400039, MAHARASHTRA, INDIA

Inventor(s) CHERUVARY REMASH, GOVINDA SWAMI GOUNDER PERIA SWAMI, NACHIMUTHU MURUGESAN, CHERIAN KANJI RATHUMKAL MATHEWS, SHAJU KATTUKKARAN ALBERT, PRABHAKAR SHANKAR & TAJENDER PAL SINGH GILL

Application No 413/Bom/1997 filed on 11 07 97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

07 Claims

A hydrogen sensor for measurement of diffusible hydrogen in weldment consisting of a leak tight metallic outer chamber provided with an air inlet an air outlet, a leak tight metallic inner chamber disposed in the outer chamber in spaced apart relationship therewith and rigidly supported in the outer chamber, the inner chamber being provided with a hydrogen gas inlet and a hydrogen gas outlet, a fuel cell

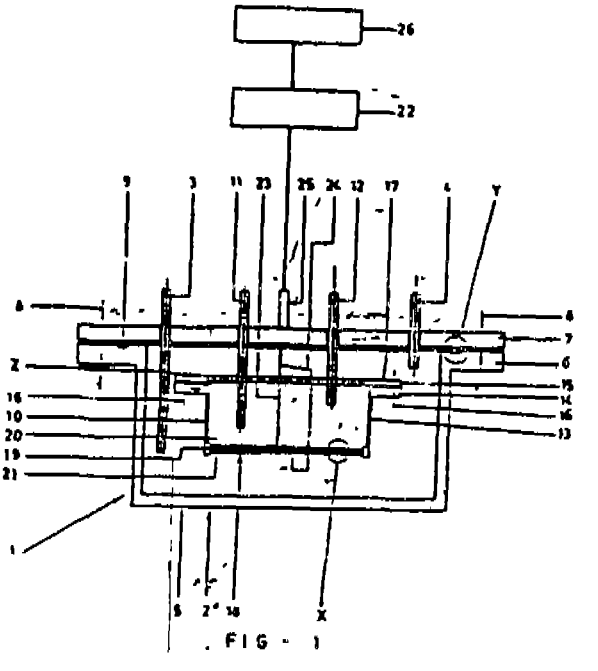


FIG - 1

configuration rigidly mounted in the inner chamber and defining a common wall between the inner chamber and outer chamber, the fuel cell configuration comnprising a proton conducting solid polymer membrane electrolyte sandwiched between two electrodes having good diffusion coefficent and solubility for hydrogen, a digital current integrator connected to the electrodes and a data processing unit connected to the digital current integrator

(Compl. Specn : 13 Pages Drgns Sheets : 4)

Ind. Cl. : 6B3 186661

Int Cl : A 47 L 7/00, 7/04, 7/06

"FILTER CARTRIDGE"

Applicant FILTERWERK MANN+
HUMMEL GMBH OF HINDENBURGSTR
37-45, POSTFACH 409, 71631
LUDWIGSBURG,
GERMANY.
HUMMEL GMBH OF HINDENBURGSTR

Inventors . WALTER BINDER,
HEINZ MULLER

Application No. : 470/Bom/97 & Filed on 01/8/97

Priority of Germany Appli No. 19634720.3 dt. 28-08-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

05 Claims

Filter cartridge, in particular for intake-air filters of internal combustion engines, comprising a hollow-cylindrical filter structure (10) in the inner side wall of the filter cartridge, which consist of a filter material, especially a filter paper web, with said filter structure being provided with an end plate on at least one front said, whereby said end plate in itself comprises of a sealing elements (12), consists of a substrate material made from polyurethane foam and a sealing material (15) made from silicon or silicon foam.

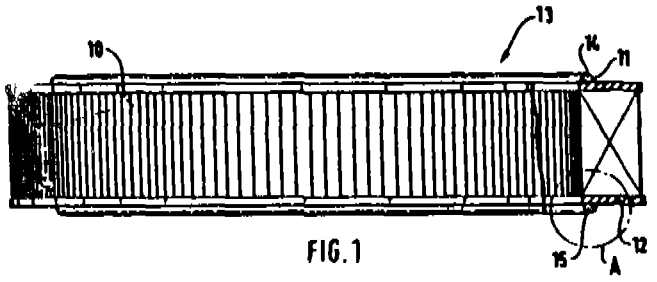


FIG.1

(Compl. Specn. 11 Pages Drgns Sheets : 4)

Ind Cl 153 [XLIII(3)] 186662

Int Cl. : B 23C 3/00, 3/06, 3/08

'A METHOD OF MAKING A RESIN BONDED GRINDING WHEEL'

Applicant : GRINDWELL NORTON LIMITED,
ARMY AND NAVY BUILDING,
148 M. G. ROAD,
MUMBAI-400 001,
MAHARASHTRA, INDIA

Inventors : 1. CHANNARAYA PATNA NANJUNDAIAH THIMMAPPAIAH, 2. MURUGESAN KUMARA KURUBARAN

Application No. : 524/Bom/97 Filed on 08-09-97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

05 Claims

A method of making a resin bonded grinding wheel consisting of mixing abrasive material and organic bond comprising a binder such as thermosetting resin such as epoxy resin, phenolic resin or rubber or blends thereof and a precursor filler system capable of reacting and forming in situ an active filler system under the heat generated during grinding, the organic bond optionally further comprising a filler system, the method further comprising pressing the resulting mixture into shape and typically curing the grinding wheel at about 150 to 200°C.

(Compl. Specn. : 12 Pages. Drgns Sheets : Nil)

Ind Cl : 139 (A) 186663

Int. Cl. : C 10B

'A PROCESS FOR THE SYNTHESIS OF ACTIVE CARBON MATERIALS FROM CAMPHOR'

Applicant : IIT BOMBAY & DR. MAHESHWAR SHARON AND DR. KINGSUK MUKHOPADHYAY OF CHEMISTRY DEPARTMENT, INDIAN INSTITUTE OF TECHNOLOGY, POWAI, MUMBAI-400 076, MAHARASHTRA, INDIA

Inventors . (1) DR. MAHESHWAR SHARON,
(2) DR KINGSUK
MUKHOPADHYAY

Application No. : 78/Bom/98 Filed on 12/02/98

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

03 Claims

A process for the synthesis of active carbon materials from camphor consisting of pyrolysing camphor vapour in the presence of a catalyst in an inert atmosphere at 900 to 1200°C and cooling the active carbon materials to room temperature.

(Compl. Specn : 07 Pages. Drgns. Sheets NIL.)

Ind. Cl. : 32 F1 186664

Int. Cl. : C 07C : 43/29

A PROCESS FOR THE PREPARATION OF 3-PHENOXYBENZOYL HALIDE

Applicants : SEARLE (INDIA) LIMITED

OF 21, D. SUKHDVALA MARG, MUMBAI-400 001, MAHARASHTRA, INDIA. AN INDIAN COMPANY REGISTERED UNDER INDIAN COMPANIES ACT, 1956.

Inventors : 1. TARUR VENKATASUBRAMANIAN RADHAKRISHNAN,
2. CHETAN RAMA SHANBHAG

Patent Application No. : 336/Bom/98 Filed on 01-06-98

Divisional to Patent Application No. 450/Bom/96 of 02-09-96

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

06 Claims

A process for the preparation of 3-phenoxybenzyl halide comprising :

(a) charging the hudrogenation vessel with about 140—260 gms of 3-phenoxybenzaldehyde and wet Rancy Nickel catalyst 4—14 gms along with an alcohol such as isopropyl alcohol, ethanol, methanol;

(b) evacuating the hydrogenator with vacuum and then pressurising the vessel with hydrogen gas to a pressure of about 30—75 p.s.i.;

(c) continuing the said hydrogenation till the uptake of hydrogen reached a saturation level;

(d) filtering the said reaction mixture and concentrating the filtered product under reduced pressure to form 3-phenoxybenzyl alcohol;

(e) halogenating the said 3-phenoxybenzyl alcohol to form 3-phenoxy benzyl halide.

(Compl. Specn. : 9 Pages. Drgns. 2 Sheets)

Ind. Cl. : 32 F3 (c) 186665

Int. Cl. : C 07 C-33/18

A PROCESS FOR THE PREPARATION OF 2-(4-ETHOXYPHENYL)-2-METHYL PROPYL ALCOHOL.

Applicants : SEARLE (INDIA) LIMITED

OF 21, D. SUKHADVALA MARG,

MUMBAI-400 001, MAHARASHTRA,

INDIA.

AN INDIAN COMPANY REGISTERED UNDER COMPANIES ACT, 1956.

Inventors : (1) TARUR VENKATASUBRAMANIAN RADHAKRISHNAN

(2) CHETAN RAMA SHANBHAG

Patent Application No. : 337/Bom/98 Filed on 01-06-98

Divisional to Patent Application No. 450/Bom/96 of 02-09-96

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

02 Claims

A process for the preparation of 2-(-4-ethoxyphenyl)-2-methyl propyl alcohol, comprising :

(a) dissolving 200-290 gms of 4-ethoxyphenyl-α-methyl ethyl ketone, in an organic solvent preferably halogenated aliphatic hydrocarbon in the range of C_1 to C_6 for example carbon tetrachloride or tetrachloroethane or dichloroethane or chloroform;

(b) adding 140—240 gms liquid bromine to the reaction mixture at room temperature over a period ranging from 2-5 hours;

(c) stirring the said reaction mixture for a period of 1—4 hours;

(d) quenching the said reaction mixture in cold water while continuing stirring of the said reaction mixture for 10—45 minutes;

(e) separating the organic layer thus formed and removing the said solvent under reduced pressure thereby obtaining a residue;

(f) adding an organic solvent which is essentially an aromatic hydrocarbon such as toluene or xylene or benzene and monoethylene glycol and p-toluene sulphonic acid to the said residue;

(g) refluxing the said reaction mixture with continuous removal of water thus formed in the reaction for a period of 7-12 hours at a temperature range of 90-120°C;

(h) cooling the said reaction mixture to a temperature of 80—105°C followed by adding zinc chloride or zinc acetate or zinc bromide as a catalyst;

(i) refluxing the said reaction mixture for a further period of 2—5 hours;

(j) cooling the said reaction mixture to room temperature followed by quenching with a concentrated acid such as hydrochloric acid, sulphuric acid and the like;

(k) separating the organic layer thus formed and washing with water, drying over anhydrous sodium sulphate followed by the step of concentrating under vacuum;

(l) adding 400 ml of water and caustic soda lye and refluxing the whole mixture for a period of 3—6 hours at a temperature of 50—75°C;

(m) cooling the said reaction mixture to 5—25° followed by acidification with a dilute acid to achieve pH of 1—5;

(n) filtering the solid thus precipitated and washing with water followed by further drying at a temperature of less than 65°C under vacuum to remove the excess solvent thereby resulting in the formation of 2-(4-ethoxyphenyl)-2-methyl propionic acid,

- followed by isolating 100—200 gms of 2-(4-ethoxyphenyl)-2-methyl propionic acid and adding 500—1000 ml of methanol and 5—15 ml of concentrated sulphuric acid,
- refluxing the said mixture for 5—8 hours;
- cooling the said mixture to room temperature;

adding 5-50 gms of sodium carbonate and concentrating the methanol at 50—60°C under vacuum, extracting the separated compound using an organic solvent;

- drying the separated organic compound 2-(4-ethoxyphenyl)-2-methyl propionic acid methyl ester,

followed by reacting

◊ 2-(4-ethoxyphenyl)-2-methyl propionic acid methyl ester in an amount of 175—250 gms in the presence of organic solvent, in a vessel;

◊ stirring the reaction mixture at room temperature ;

◊ adding sodium pieces in an amount of 50—150 gms over a period of 1—4 hours;

◊ refluxing the reaction mixture for about 1—3 hours,

◊ distilling the solvent under vacuum followed by cooling the residue at room temperature;

◊ adding an organic solvent selected from hydrocarbons and washing the reaction mixture first with mildly alkaline solution of sodium hydroxide, followed by washing with water, drying the organic layer over sodium sulphate and concentrating under reduced pressure;

◊ cooling the reaction mixture to a temperature of 2—15°C followed by ageing for half to two hours;

filtering the mixture and washing with chilled organic solvent such as petroleum ether or n-hexane or xylene or toluene and drying the 2-(4-ethoxyphenyl)-2-methyl propyl alcohol obtained

(Compl. Specn. : 14 Pages. Drgns. 2 Sheets)

Ind. Cl. : 83A 1[XIV(5)] 186666

Int. Cl. : A21 D-2/00

'A PROCESS FOR PREPARING IMPROVED WHEAT FLOUR'

Applicant: HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA AN INDIAN COMPANY.

Inventors : 1 GOPINATH BABASAHEB RAJALE, 2. GUNENDER KAPUR 3 VIVEKANAND NARASIMHAM SISTLA.

Application No . 382/Bom/98 with Provisional Specification filed on 16-06-98 Complete after Provisional Specification filed on 07-06-99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

06 Claims

A process for preparing improved wheat flour having roasted wheat bran comprising :

(i) Subjecting wheat bran to the step of roasting at a temperature range of 40 to 100°C for a period of 5—60 minutes,

(ii) Grinding the thus obtained roasted bran and

(iii) Obtaining improved flour by admixing in an amount of 1 to 10% by weight of said roasted wheat bran to wheat flour.

(Prov. Specn. · 09 Pages Prov. Drgns. 2 Sheets Nil)

(Compl Specn. 10 Pages Drgns. 2 Sheets Nil)

Ind. Cl. · 83A 1[XIV(5)] 186667

Int. Cl : A23 L, 1/00

'A PROCESS FOR THE PREPARATION OF NUTRIENTS RICH LOW FAT HIGH FIBRE CARROT PRODUCTS'

Applicant · AJANTA PHARMA LIMITED, AN INDIAN COMPANY, AT AJANTA HOUSE, 98 GOVERNMENT INDUSTRIAL AREA, CHARKOP, KANDIVLI (WEST), MUMBAI-400 067. MAHARASHTRA INDIA

Inventors . 1 DR. BIYANI MILIND KESHARLAL, 2. MRS. BANAVALIKAR MANISHA MANOHAR, 3. MS. PARIKH GEETA CHANDRAVADAN 4. BIYANI SUSHMA MILIND.

Applicant No · 71 Bom 1999 filed on 29-01-1999

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

22 Claims

A process for preparation of nutrients rich low fat high fiber carrot product comprising crushing carrots, pressing the crish to separate pomace from juice, adjusting the pH of the juice to 3 0 to 6 0 with carboxylic acid in an amount of acid equivalent to 0 03 to 3% by weight of the juice, stabilizing the juice with carbohydrate in amounts ranging from 1—10% by weight of the juice, separating the supernatant from the residual matter, concentrating the supernatant, blending the concentrate with the previously isolated pomace, drying the blend, pulverizing or granulating the blend and sieving the powder or granules.

(Compl. Specn. : 22 Pages. Drgns Sheets Nil.)

Ind Cl 55E, [XIX(1)] 186668

Int. Cl. A 61 K-9/12

'PROCESS FOR THE MANUFACTURE OF TOPICAL MEDICINAL SPRAY'

Applicant CIPLA LIMITED, MUMBAI CENTRAL, MUMBAI-400 008 MAHARASHTRA, INDIA AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956

Inventors 1 AMAR LULLA 2 GEENA MALHOTRA 3 PREETI RAUT

Application No 93/Bom/99 filed on 05-02-99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

14 Claims

A process for the manufacture of topical medicinal sprays comprising the steps of dissolving topical medicament such as 17-B-estradiol or a mixture of two or more topical medicaments from about 0 1 to 25% w/w in a non aqueous solvent system consisting of 10 to 90% w/w of non aqueous vehicle or liquified propellants and mixture of non aqueous solvents such as acetone, ethyl alcohol, o 1 to 15% w/w of a film former or mixture of film formers such as povidone, copolyvidone, 1 to 12% w/w of plastisizer such as dimethyl isosorbide, 0 1 to 8% w/w of permeation enhancer such as menthol, 0 1 to 10% w/w solubilisers such as Vitamin E and its esters such as acetate

(Compl Specn 16 Pages Drgns Sheets Nil)

Ind Cl 32 F1 186669

Int Cl C 07 D-405/00, A 61 K-31/445

PROCESS FOR PREPARING(-)4-(4-FLUOROPHENYL)-3-[(2-METHOXY-1, 3-BENZODIOXOL-5-YLOXY)-METHYL]-PIPERIDINE, A NOVEL ANTIDEPRESSANT

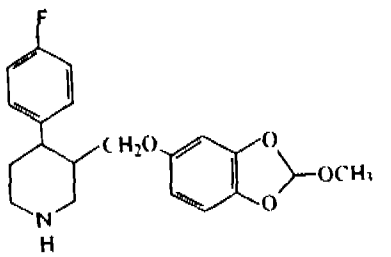
Applicant & Inventor(s) 1 DR VISWANATHAN LAKSHMANAN CHELAKARA, 1, LALIT, UTTAM CO-OP HOU SOCIETY, ST ANTHONY ROAD, CHEMBUR, MUMBAI-400071, MAHARASHTRA, INDIA, INDIAN NATIONAL AND 2 VISHVAS DATTATRAYA PATIL, 12A/448, TIWARI NAGAR, OPP SAKHARWADI, JALGAON 425002, MAHARASHTRA, INDIA, INDIAN NATIONAL

Application No . 100/B 9 filed on 09.02 1999

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

02 Claims

A process for preparation of (-) 4-(4-fluorophenyl)-3-[(2-methoxy-1, 3-benzodioxol-5-yloxy)-methyl]-piperidine, comprising the following steps, step (i) refluxing p-fluoracetophenone, with methylamagnesiumiodide and then treating with ammonium chloride solution and finally dehydrating using p-toluenesulfonicacid to yield a product p-fluoro-α-methyl-styrene, step (ii) cyclizing the resultant product of step (i) with formaldehyde and ammonium chloride and then heating with conc hydrochloric acid to yield a product 4-(4-fluorophenyl)-3-hydroxymethyl-1, 2, 3, 6-tetrahydropyridine, step (iii), reducing the resultant product of step (ii) with lithium aluminium hydride in THF and resolving the product using chiral dibenzoyl tartaric acids to yield (-) 4-(4-fluoro phenyl)-3-hydroxy methyl-piperdine, step (iv) condensing the resulting product of step (iii) with 5-hydroxy-2-methoxy-1, 3-benzodioxole in presence of dicyclohexylcarbodiimide (DCC) to yield title compound (-)4-(4-fluorophenyl)-3-[2-methoxy-1, 3-benzodioxol-5-yloxy)-methyl]-piperidine having the structural formula shown below



(Compl Specn 10 Pages Drgns Sheet 1)

Ind Cl 77C [XI(1)] 186670

Int Cl A23D-5/00

METHOD FOR FORTIFICATION OF A VEGETABLE FAT WITH ANY INGREDIENT OF OLIVE FRUITS

Applicant HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA

Inventor(s) 1 JANVAN BUUREN, 2 KAREL PAM VAN PUTTE

Application No 216/Bom/99 filed on 25 03 99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

08 Claims

A method for fortification of a vegetable fat with any ingredient of olive fruits by increasing the fat's polyphenols content with at least 10 ppm, where those olive fruits together with a vegetable oil

— are stored in a container of at least 5 liters,

— are allowed to soak in the oil for at least one day,

— are finally separated from the oil

(Compl Specn : 13 Pages Compl. Drgns. Sheets : Nil)

Ind. Cl. : 32 F_1 186671

Int. Cl. : C 07 C 49/163

PROCESS FOR THE MANUFACTURE OF 2, 4-DICHLOROACETOPHENONE.

Applicant and Inventor : SRIKANT RAMCHANDRA DESHMUKH, 3, ASHIRWAD BUNGLOW, 20-SAHU COLONY, BANSILAL NAGAR, AURANGABAD-431 005. MAHARASHTRA, INDIA.

Application No. : 397/Bom/99 filed on 25.05.99.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

06 Claims

A process for the manufacture of 2, 4-dichloro-acetophenone comprising :

(a) Taking a mixture of benzene, ortho-dichlorobenzene and para-dichlorobenzene in proportions such as herein described, in a glass lined reactor having glass lined fractional distillation column and adding catalytic amounts of aluminium chloride and tin chloride therein and passing chlorine gas maintaining the chlorination reaction at 60° to 80°C for a period of from 2 to 8 hours to obtain mono-and dichlorobenzenes;

(b) Heating the reaction mass to 125°-135°C until all monochlorobenzene is distilled out;

(c) Further heating the reaction mass and maintaining the temperature from 150°-170°C for a period of 10 to 20 hours;

(d) Cooling the reaction mass to 40°-50°C preferably 45°C and adding acetyl chloride gradually over a period of at least 8 hours, maintaining the reaction temperature between 45°-60°C;

(e) Quenching the reaction mass into aqueous hydrochloric acid (2-3% wt./vol.) maintained in another glass lined reactor at 60°-80°C to remove the catalysts and separate the organic phase comprising mixture of dichlorobenzenes and dichloroacetophenones;

(f) Fractionating the organic phase obtained at the end of step (e) above in a fractionating distillation system and distilling under reduced pressure to separate the desired 2, 4-dichloroacetophenone (greater than 98% purity).

(Compl. Specn. : 08 Pages. Compl. Drgns. Sheet : Nil)

Ind. Cl. : 32 F_2 (b) 186672

Int. Cl. : C07 D-333/06

A PROCESS FOR THE PREPARATION OF ALKYL/ ARYL SULFONATE ESTERS OF THIOPHENE ETHANOL.

Applicant : USV LIMITED, AN INDIAN COMPANY OF BSD MARG, GOVANDI STATION ROAD, GOVANDI, MUMBAI-400 088. MAHARASHTRA, INDIA.

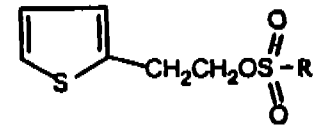
Inventor(s) : 1. TEWARI PRASHANT KUMAR, 2. DR. KAMAT PRABHAKAR LAXMAN.

Application No. : 504/Bom/99 filed on 12.07.1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

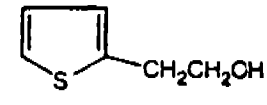
05 Claims

A process for the synthesis of alkyl/aryl sulfonate esters of thiophene ethanol of the formula I :



Formula I

Where R is an alkyl group such as methyl or an aryl group such as phenyl, p-toluyl or naphthyl, which consists of reacting thiophene ethanol of the formula IV :



Formula IV

With an alkyl/aryl sulfonyl chloride of the formula V :

$R\text{-}SO_2Cl$

Formula V

Where R is as defined above, in aqueous medium in the presence of a phase transfer catalyst such as herein described having concentration 0.2 to 10%, in the weight ratio 0.1 to 20% with respect to thiophene ethanol, at room temperature.

(Compl. Specn. : 18 Pages. Drgns. Sheet : Nil)

Ind. Cl. : 32 F_1 (d) 186673

Int. Cl. : C 07D 307/26

A PROCESS OF MANUFACTURING CYCLOPENTENOLONES FROM ALKYL FURANS.

Applicant : M/s. MITSU INDUSTRIES LTD., 304/2, G.I.D.C., VAPI-396 195 GUJARAT, INDIA, INDIAN COMPANY.

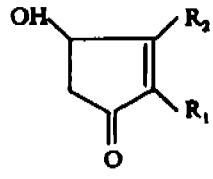
Inventor(s) : DR. PRAMOD KUMAR MINOCHA.

Application No. : 520/Bom/99 filed on 23.07.99.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

05 Claims

A process of manufacturing cyclopentenolone having general formula 1 from alkyl furan wherein R1 is an alkyl group or alkenyl group from C1 to C6 carbon atoms and R2 is alkyl group



I

From C1 to C6 carbon atoms comprising the following steps :

(i) Dissolving 2-alkyl furan in organic solvent;

(ii) Reacting the mixture of step-I with dimethyl formamide at 15 to 20 C at pH7 to 7 5 to obtain 2-alkyl 5-furaldehyde,

(iii) The resultant product of step II is reacted with Grignard reagents in a known manner to obtain alkyl furan carbinol;

(iv) Treating the product of step III with weakly acidic buffer solution having pH 5.5 to 7 to obtain cyclopentenolone of general formula 1;

(v) Purifying the cyclopentenolone of step IV by extraction with n-hexane at pH 7 to 7 5 to remove the impurities and subsequently salting out by sodium chloride to obtain pure cyclopentenolone

(Compl. Specn : 8 Pages Compl Drgns. Sheets . Nil)

Ind. Cl. : 32 F_1 + 55 D_2 186674

Int. Cl. : C 07 C-61/04

A PROCESS OF MANUFACTURING CYCLOPROPANE CARBOXYLIC ACIDS

Applicant : MITSU INDUSTRIES LTD , OF 304/2, G.I.D.C., VAPI-396195 GUJARAT, INDIA, AN INDIAN COMPANY.

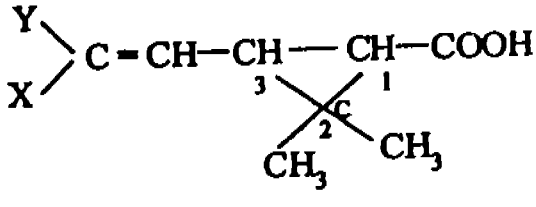
Inventor(s) : DR. PRAMOD KUMAR MINOCHA.

Application No. : 522/Bom/99 filed on 23.07 99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

10 Claims

A process of manufacturing cyclopropane carboxylic acids having the general formula-I



I

Wherein one of X & Y is trihaloalkyl group and other is halogen group comprising the steps of mixing 3-methyl butanol & tri-o-acetate or triethyl-oacetate in a reactor with acid catalyst and carrying out the reaction at 140°C and recovering methanol or ethenol in the reaction,

The residual product on distillation, methyl or ethyl 3, 3 dimethyl Pent-4-enoate is obtained,

Which is further reacted with 1, 1, 1, trichloro trifluoro ethane in an alcoholic solvent in presence of alkanolamines and cuprous salts as catalyst by carrying out reaction under reflux followed by distillation of solvent to yield methyl or ethyl 3,3, dimethyl 4,6,6 trichloro 7,7,7 trifluoro heptanoate which is further reacted with sodium alkoxide in anhydrous solvent or their mixtures,

The pH is adjusted to almost neutral (pH 6 8-7 2) followed by solvent distillation and the product is isolated, while extraction in water of insoluble solvent is followed by solvent recovery,

The resultant product obtained is methyl or ethyl Cis-Trans 3-(2,2 dichloro 3,3,3 trifluoro 1-propyl) 2,2 dimethyl cyclopropane carboxylate, which is subjected to single-step reaction with diluted alkaline in aqueous medium in presence of phase transfer catalyst, on acidification 3-(2-chloro 3,3,3, trifluoro-1-propyl) 2,2 dimethyl cyclopropane carboxylic acid is obtained

(Compl. Specn : 16 Pages. Compl. Drgns. Sheet . Nil)

Ind Cl 32 F_2(C) + 55D_2 186675

Int Cl . C 07 C—155/06

A METHOD OF PREPARING USEFUL STABLE SALTS OF ETHYLENEBISDITHIOCARBAMATE (EBDC)

Applicant INDOFIL CHEMICALS COMPANY, OF NIRLON HOUSE, DR ANNIE BESANT ROAD, MUMBAI-400025 MAHARASHTRA, INDIA, AN INDIAN COMAPNY

Inventor SURENDRA INDER BHATIA

Patent Application No 671/Bom/99 filed on 24 09 1999

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

07 Claims

A method of preparing a stable salt of alkylenebisdithiocarbamic acid comprising the following steps

adding alkylenediamine and a strong base hydroxide simultaneously to Carbon Disulfide in a reaction vessel, resulting in the formation of a solublised metal salt mono derivative of alkylenediamine, and allowing the reaction to proceed further in a controlled manner to form the stable disalt of alkylenebisdithiocarbamic acid by the reaction of a molecule of the salt of the mono derivative with a molecule of carbon disulfide and a molecule of the strong base hydroxide

(Compl Specn 20 Pages Drgns Sheet Nil)

Ind. Cl. : 32 B 186676

Int. Cl. : C 07 15/08

A PROCESS FOR CATALYTIC ALKYLATION OF TOLUENE TO PARA XYLENE.

Applicant : INDIAN PETROCHEMICALS CORPORATION LIMITED, P.O. PETROCHEMICALS, DIST, VADODARA-391 346, GUJARAT, INDIA.

Inventor(s) : 1. JAGANNATH DAS, 2. YAJANAVALKYA SUBRAY BHAT, 3. ANAND BHIMRAO HALGERI.

Application No. : 747/Bom/99 filed on 02.11.1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

06 Claims

A process for the catalytic alkylation of toluene to para xylene which comprises subjecting an initial feed of toluene and methanol mixture to a temperature in the range of 300 to 500°C in the presence of an improved 0.1 wt% ZnO incorporated pore size controlled high silica medium pore zeolite catalyst to form a mixture of xylenes, benzene and C_9 aromatics, separating in any known manner xylenes from the reaction products and removing para xylene from the reaction products and removing para xylene, from the separated xylene with a selectivity in the range 24 to 99%.

(Complete Specn. : 18 Pages. Drgns. Sheet : Nil)

Ind. Cl. : 32 F 186677

Int. Cl. : C 07 C, 25/00 25/24

A SIMPLE AND EFFICIENT PROCESS FOR THE PREPARATION OF FLUVOXAMINE MALEATE.

Applicant : SUN PHARMACEUTICAL INDUSTRIES LIMITED ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (EAST), MUMBAI-400 059. MAHARASHTRA, INDIA. AN INDIAN COMPANY.

Inventor(s) : 1. DR. RAO TRINADHA CHITTURI, 2. DR. THENNATI RAJAMANNAR, 3. DR. JADAV KANAKSINH JESINGBHAI, 4. MR. SHAH HEMANT.

Application No. : 796/Bom/99 filed on 12.11.1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Mumbai-13.

17 Claims

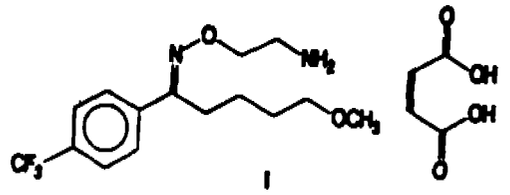
A process for the preparation of fluvoxamine maleate, a compound of formula I in a substantially pure form comprising :

(a) reaction of oxime of formula II with 2-chloroethylamine hydrochloride, in presence of a base and facilitator in a water immiscible inert aprotic solvent;

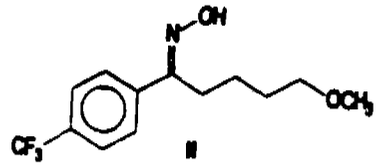
(b) washing the reaction mixture with water;

(c) treating the organic layer containing fluvoxamine base with a solution of maleic acid in a protic solvent; and

(d) recrystallising the fluvoxamine maleate obtained in step 'C'.



I



II

(Compl. Specn. : 11 Pages. Drgns. Sheet : Nil)

Ind. Cl. : 55 D_2[XIX(1)] 186678

Int. Cl. : A 01 N, 27/00

AN IMPROVED PROCESS OF MANUFACTURING HERBICIDE COMPOSITION IN THE DRY FLOWABLE FORM.

Applicant : M/S. SULPHUR MILLS LTD., 303/304, T. V. ESTATE, S.K. AHIRE MARG, WORLI, MUMBAI-400025, MAHARASHTRA, INDIA.

Inventor(s) ; (1) DEEPAK SHAH, (2) VADAKKEKUTTUPUTHENPARAM THANKAPPAM BALCHANDRAN.

Application No. : 766/Mum/2000 filed on 21.08.2000.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

03 Claims

An improved process for manufacturing herbicide composition in dry flowable form comprising the following steps :

Steps I : Preparing a slurry of active tribenuron methyl powder at least 80% and wetting agents, dispersing agents and filler in a pulveriser;

Steps II : grinding the slurry to a particle size 0.3 to 8 micron;

Steps III : adjustising the Ph of the slurry between 5 to 8;

Steps IV : removing moisture by drying at 5°—40°C;

Steps V : granulating the wet slurry in a granulator at 100°C—200°C while removing fine dust and recycling the same;

(Compl. Specn. : 09 Pages, Compl. DrgnsSheet:Nil)

Ind Cl 55 D [XIX (1)] 186679

Int Cl A 01 N 27 00

AN IMPROVED PROCESS OF MANUFACTURING HERBICIDE COMPOSITION IN THE DRY FLOWABLE FORM

Applicant M/S SULPHUR MILLS LTD , 303/304, T V ESTATE, S K AHIRE MARG, WORLI, MUMBAI-400025 MAHARASHTRA INDIA INDIAN COMPANY

Inventor(s) 1 DEEPAK SHAH 2 VADAKKEKUTTUPUTHENPARAMT BALCHANDRAN

Application No 767/Mum/2000 filed on 21 08 2000

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch, Mumbai-13

03 Claims

An improved process of manufacturing Herbicide composition comprising the following steps,

(i) Mixing Tribunuron powder 70 80%, wetting agents 0 5-5%, dispersing agent 0 5-5%, filler agent 9 to 19% and anti foaming agent 0 1 to 1% in a pulveriser to make a dry powder

(ii) Adding water to the dry powder obtained in step (1) with vigorous stirring to make homogenous slurry while maintaining pH 6 8

(iii) Wet grinding at 5 50°C with correct media size and crashing strength to get the range of particle from size 0 1 to 20 microns

(iv) Removing the moisture upto 5-10% w/w,

(v) Drying the slurry in a drier with inlet temperature 110°c to 115°c and outlet temperature 66 c to 68°c

(vi) Agglomerating the particles by passing dry hot air from 60°c to 110 c to obtain granules ranging from 100-200 microns with at least 1% moisture

(vii) Removing fine dust and recycling the same into the drier,

(Compl Specn 12 Pages, Drgn Sheets Nil)

Ind Cl 55 D2 [XIX (1)] 186680

Int Cl A 01 N, 27/00

AN IMPROVED PROCESS OF MANUFACTURING FUNGICIDE COMPOSITION

Applicant M/S SULPHUR MILLS LTD , 303/304, T V ESTATE, S K , AHIRE MARG WORLI, MUMBAI-400025 MAHARASHTRA INDIA, INDIAN COMPANY

Inventor(s) 1 DEEPAK SHAH 2 VADAKKEKUTTUPUTHENPARAMT BALCHANDRAN

Application No 771/Mum/2000 filed on 22 08 2000

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai 13

03 Claims

An improved process of manufacturing a fungicide composition comprising the following steps

Step I Pulversing active ingredent Carbendazim 10-50% alongwith wetting agents, dispersing agents, fillers in required proportion,

Step II Making aqueous suspension of the mixture of the step I by addition of water while maintaining pH5-8,

Step III wet grinding the resultant slurry of Step II to a particle size 0 2 micron to 2 micron 5° to 50°C'

Step IV granulating the slurry to 100-150 microns by drying at 130°—150° C to obtain dispersible dry free flowing composition

(Compl Specn 21 Pages, Drgns Sheet Nil)

Ind Cl 140 B 1 186681

Int Cl[4] C 11 C—1/08

A SYNERGISTIC POLYMER COMPOSITION FOR USE AS AN ADDITIVE IN OIL AND FUEL TO IMPROVE COLD FLOW PROPERTIES

Applica YON CHEMICAL PATENTS, INC A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 200 PARK AVENUE, FLORHAM PARK, NEW JERSEY 87932 UNITED STATES OF AMERICA

Inventor(s) KENNETH LEWTAS—ENGLAND, JACQUELINE DAWN BLAND—ENGLAND

Application No 918/Del/92 filed on 13 10 92

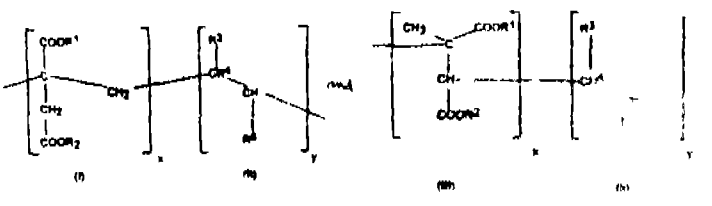
Convention Application No 9122351 1/U K /22 10 91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch New Delhi 5

09 Claims

A synergistic polymer composition for use as an additive in oil and fuel to improve cold flow properties comprising combining in ratio 18 1 to 1 10

(i) a polymer selected from a group consisting of units



where x is an integer and y is 0 or an integer and wherein [illegible] polymer, the sum of x and y is at least two, the ratios of [illegible] units (II) to units (I) and units (II) to (III) are up to 2

R^1 and R^2 are the same or different, each represents a C_{10} to C_{24} alkyl group,

R^1 represents H,-$OOCR^6$, C^1 to C_{30} alkyl, -CO)R^6, an aryl or alkaryl group or halogen

R^4 represents H or methyl,

R^5 represents H, C_1 to C_{30} alkyl, or -$COOR_6$,

R^6 represents C_1 to C_{22} alkyl

optionally, each of the groups R^1, R^2, R^3, R^4, R^5 and R^6 being inertly substituted and

(ii) a copolymer of the monomers (a) and (b) where (a) is an ester, being a mono-or di-alkyl f· ·arate or maleate in which the alkyl group has 6 to 23 ca atoms, and

(b) is an aromatic substituted olefin having 8 to 40 carbon atoms per molecule;

with the proviso that (a) is not a maleate when (b) is styrene

(Compl. Specn. · 31 Pages Drgns. Sheet : Nil)

Ind. Cl. : $70C_6$ 186682

Int. Cl.[4] : C 25 D—9/04.

AN IMPROVED PROCESS FOR THE ALTERNATE CURRENT (AC) ELECTROLYTIC COATING OF SILICA ON ALUMINIUM SURFACES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventor(s) : 1. GIRI NAGAKUPPUSAMY RAMESHBAPU—INDIA, 2. GOVINDASAMY DEVARAJ—INDIA AND 3. JANUPALLY AYYAPPARAJU—INDIA.

Application for Patent No. : 992/Del/92 filed on 02nd Nov., 1992

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

4 Claims

An improved process for the Alternate Current (AC) electrolytic coating of silica on aluminium surfaces which comprises,

(a) degreasing by conventional methods the aluminium surface to be coated.

(b) coating the said degreased surface using, bath consisting of 40 to 70 g/L alkali silicate optionally containing additives selected from alkali hydroxides Sodium tungstate, Sodium tellurate, borax or their mixture, using AC current for 10—20 minutes, at voltage of 80—350 volts and at a temperature of 5°—20°C.

(Provnl. Specn. . 4 Pages. Drgs. Sheet : Nil)

(Compl. Specn. : 8 Pages. Drgs. Sheet . Nil)

Ind. Cl. : 32 F_2(a) 186683

Int. Cl.[4] : C 07 C—131/00.

A NOVEL PROCESS FOR THE PRODUCTION OF 2-HYDROXY-5-ALKYL BENZOPHENONE OXIMES

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860)

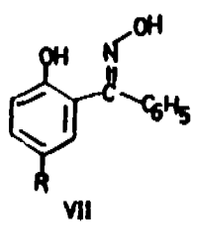
Inventor(s) : 1 CHINTAMANI SARANGI—INDIA AND 2. YERAMALLI RAMACHANDRA RAO—INDIA

Application for Patent No : 1001/Del/92 filed on 04 11 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

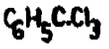
A novel process for the production of 2-hydroxy-5-alkyl benzophenone oximes of the formula (VII) which comprises,



VII

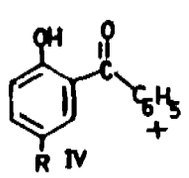
(a) reacting alkyl phenol of the formula I.

where R-stands for groups like -nonyl, octyl-tert-amyl and -tert-butyl with benzotrichloride of formula II.



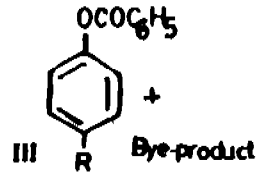
II

in aqueous sodium hydroxide in the presence of conventional phase transfer catalyst such as alkyl aryl ammonium halide and an inert organic solvent at a temperature in the range of 70°—100°C to form a mixture of hydroxy alkyl benzophenone oximes (HABP) of formula (IV).



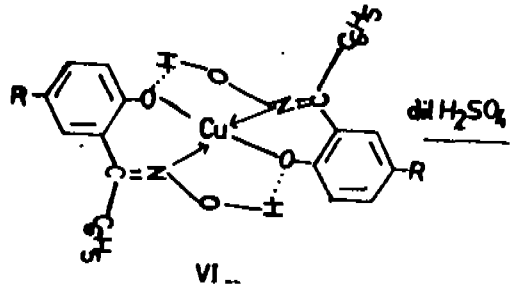
IV

and 4 alkyl phenyl benzoate of formula (III).



(b) then saponyfying the formula (III) with benzotrichloride followed by oximating with hydroxyl amine hydrochloride in the presence of a conventional organic/inorganic base as catalyst to obtain oximated HABPO,

(c) treating the said oximated HABPO with ammoniacal copper sulphate solution, purifying the crude copper complex of HABPO of formula (VI)



VI

by solvent extraction with a hydroxylic solvent and

(d) isolating the purified 2-hydroxy-5-alkyl benzophenone oxime (anti-HABPO) of the formula (VII) by stripping the cu-complex of (HABPO) with H_2SO_4

(Compl. Specn. : 7 Pages Drgs. Sheet : 1)

Ind. Cl. : 85Q 186684

Int. Cl. : F 27 B 7/00, 13/00.

A PROCESS FOR MAKING STEEL.

Applicant : WILLIAM LYON SHERWOOD, A CANADIAN CITIZEN OF 7249 CYPRESS STREET, VANCOUVER, B C., CANADA V6P 5M2.

Inventor WILLIAM LYON SHERWOOD—CANADA.

Application for Patent No. 1051/Del/92 filed on 13 11 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for making steel in elongated reaction zones in a rotary furnace with a hot liquid ferrous metal bath (9, 12) and floating layer of slag (10) maintained and heated directly and indirectly in a manner such as herein described characterized by :

(a) dissolving supplementary carbon in the said hot liquid ferrous metal bath (12) thereby to form a liquidheat-transfer medium with lowered melting-point temperature as characteristic of iron containing dissolved carbon in the range of 2 to 4.25 per cent carbon;

(b) adding a charge of solid steel scrap into said liquid heat-transfer medium thereby continually cooling and maintaining said heat-transfer medium at a lowered temperature approaching said bath melting-point temperature;

(c) heating the said solid scrap by continually advancing it forward at a substantially faster average rate than said liquid heat-transfer medium is advancing, but not so rapidly that there is insufficient scrap present at each furnace cross-section to absorb substantially an equivalent quantity of heat to that transferred from furnace gases and walls into said heat-transfer medium, that is, as necessary to cool and maintain said lowered temperature of said medium;

(d) allowing said solid steel scrap to melt in a manner such as herein described thereby to dilute and lower the bath carbon content to less that 2 per cent carbon with corresponding increase in bath melting point temperature; and

(e) discharging molten steel containing less than 2 per cent carbon.

(Compl. Specn. : 16 Pages. Drgn Sheets : 2)

Ind. Cl. : 128 A. 186685

Int. Cl.[4] : A 41 B 13/02.

AN ABSORBENT ARTICLE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : JAMES WILLIAM CREE—U.S.A , SUE ANN MILLS—U.S A., ELIZABETH BILYEU TWOHY—U.S.A , KENNETH BARCLAY BUELL—U.S.A., KAMAL JOSEPH DAGHER—U.S.A., MICHAEL EDWARD CARRIER—U.S.A., THOMAS WARD OSBORN—U.S.A., NICHOLAS ALBERI AHR—U S A., JOHN RICHARD NOEL—U.S.A., GEORGE STEPHEN REISING—U.S.A AND ROBERT WILLIAM RUUSKA—U.S.A.

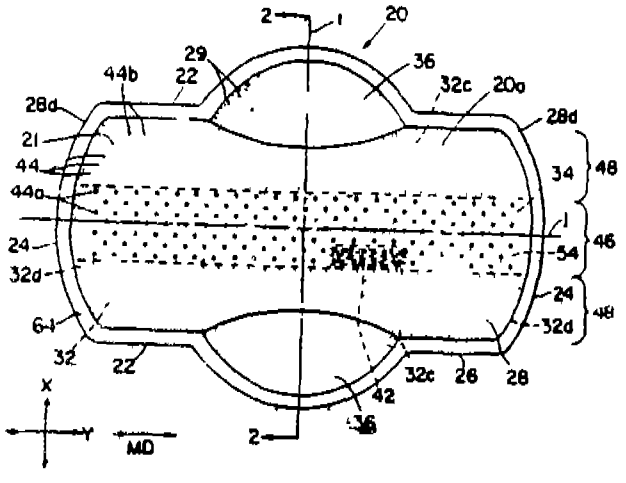
Application For Patent No. : 1084/Del/92 filed on 20.11.92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

12 Claims

An absorbent article comprising a liquid pervious aperture film or plastic film topsheet a liquid impervious backsheet having a garment facing face being joined to said topsheet and an underlying layer having a thickness also positioned between said topsheet and said backsheet where said topsheet is fused to said underlying layer at individual bonded areas that penetrate the topsheet and at least part of the way into the thickness of said underlying layer without penetrating the garment facing face of said backsheet and at least some of said bonded areas provide structures with drainage passageways for liquids to pass through to said underlying layer

Fig. 1



(Compl Spcn 57 Pages Drgn Sheets 10)

Ind Cl 32C 186609

Int Cl C 07 C- 63/06

A PROCESS FOR THE PREPARATION OF 4-(4 HYDROXY-2 PENTADECYL PHENYL)AZO) BENZOIC ACID

Appl Int COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG NEW DELHI 110001 INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860)

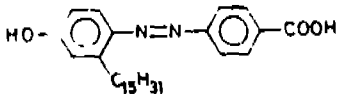
Inventor(s) MR MUTHUSAMY SAMINATHAN—INDIA DR CHENNAKESAVULU KRISHNA SADASIVAN PILLAI INDIA AND DR CHORAPPAN PAVITHRAN—INDIA

Application For Patent No 1280/Del/92 filed on 31st Dec 1992

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch New Delhi 110005

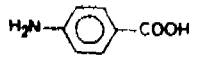
4 Claims

A process for the preparation of 4-(4-hydroxy 2 pentadecyl phenyl) azo) benzoic acid of the formula-I



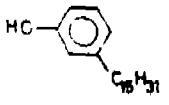
I

which comprises diazotizing P amino benzoic acid of the formula-III



III

by known methods to produce diazotised salt of P iminobenzoic acid adding a solution of hydrogenated cardanol of the formula II



II

organic solvent such as herein described dropwise to diazotised solution chromatographing the resultant and recrystallising it from an organic solvent

(Compl Spcn 6 Pages Drgns Sheet 1)

Ind Cl 132 C 186687

Int Cl[4] C 04 B 14/00 & 16/00

CONCRETE COMPOSITION HAVING HIGH FLOWABILITY

Applicant W R GRACE & CO CONN, A CORPORATION OF THE STATE OF CONNECTICUT HAVING A PLACE OF BUSINESS AT 1114 AVENUE OF THE AMERICAS NEW YORK NEW YORK 10036, U S A

Inventor(s) HIDEO KOYATA—JAPAN AND TOMOYUKI TSUTSUMI—JAPAN

Application for Patent No 231/Del/93 filed on 10 3 93

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972), Patent Office Branch New Delhi-110005

11 Claims

A concrete composition having high flowability comprising

(a) 350 to 700 Kg of a hydraulic cement material per m^3 of concrete composition,

(b) up to 185 Kg of water per m^3 of concrete composition,

(c) a conventional amount of fine aggregate,

(d) a conventional amount of coarse aggregate,

(e) 0 05 to 3 parts by weight based on 100 parts by weight of said hydraulic cement material, of at least one copolymer A of an alkenyl ether represented by the formula R O(AO) R (I)

wherein

R^1 represents a $C_{\ }$ alkenyl group,

R^2 represents a $C_{1\ }$ alkyl group

AO represents a C_{18} oxyalkylene group in which O represents an oxygen atom and A represents an alkylene group and

n represents an average adduct mol number of said oxyalkylene group having a number of from 60 to 95,

and maleic anhydride at a mole ratio of said alkenyl ether (I) to said maleic anhydride of 30—70 to 70—30, its hydrolyzed product or a salt of the hydrolyzed product

(Compl Specn 23 Pages Drgns Sheet Nil)

Ind Cl 145 B 186688

Int Cl[4] D21C 9/00

A NOVEL COMPOSITION USEFUL FOR ENHANCING THE SENSITIVITY OF SAFETY PAPER

Applicant COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI 110001, INDIAN AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

Inventor KULDEEP KUMAR KAUL

Application for Patent No 314/Del/93 filed on 26 3 93

Divided out of Patent Application No 21/Del/92 filed on 10 1 92

Ante dated to 10 1 92

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch New Delhi 5

3 Claims

A novel composition useful for improving the sensitivity of safety paper used for preparing documents such as cheques, drafts and other negotiable instruments which comprises 2 to 10% by wt conventional sizing agents like starch, dextrin, carboxy methyl cellulose and other water soluble gums or their mixture and composition essentially containing 0 5 to 3 0% each of a conventional sensitising agents and a novel sensitising substance selected from elements of group V of periodic table and having the crystals isomorphous with those of rare earth nitrates or their mixtures or complexes wherein ratio of sensitizing substance to sizing agent ranges from 0 1 to 10% and ratio of sensitizing substance to total sizing agent and conventional sensitizing agent ranges from 0 1 part 17 parts to 10 parts, 23 parts and the pH of the composition ranges between 4 to 6

(Complete Specification 9 Pages Drawing Sheet Nil)

Ind Cl 170 A 186689

Int Cl[4] C 11D 9/00

A PROCESS FOR PREPARING A PRIMARY REACTION PRODUCT FOR PREPARING POLYHYDROXY FATTY ACID AMIDE SURFACTANT

Applicant THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA

Inventor(s) DANIEL STEDMAN CONNOR–U S JEFFREY JOHN SCHEIBEL–U S , MARK HSIANG KUEN MAO–U S , BRUCE PRENTISS MURCH–U S EUGENE PAUL GOSSELINK–U S , RONALD GEORGE SEVERSON–U S

Application for Patent No 265/Del /93, filed on 18 3 1993

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

7 Claims

A process for preparing a primary reaction product comprising a polyhydroxy fatty acid amide surfactant while minimizing the amount of undesirable free fatty acid or nascent source fatty acids in the product, said process comprising a primary reaction between a glyceral dehyde-derived polyhydroxy amine and a fatty acid ester, said primary reaction being carried out at a temperature below 100°C optionally in the presence of a catalyst as herein described so as to minimize formation of cyclized by-products in said reaction product wherein the primary reaction is run under substantially water free conditions whereby the formation of free fatty acids and soaps is minimized, and there is added to said primary reaction product an amine reactant which is a member selected from ammonia, short-chain alkyl amines and short chain hydroxyalkyl amines and subjecting said reaction product to a secondary reaction, whereby the total level of residual nascent and free fatty acid present in said primary reaction product is reduced to below 1%, by weight

(Complete Specification 24 Pages Drawing Sheet Nil)

Ind Cl. 24 D_4 186690

Int Cl[4] B 60T 11/10

COMPENSATORY DEVICE FOR VARYING AN OUTPUT PRESSURE WITH RESPECT TO THE INPUT PRESSURE

Applicant BENDIX EUROPE SERVICES TECHNIQUES, A FRENCH COMPANY, OF 126 RUE DE STALINGRAD, 93700 BRANCY, FRANCE

Inventor(s) PIERRE PRESSACO-FRANCE & ROLAND LEVRAI-FRANCE

Application for Patent No 330/Del /93, filed on 30 3 1993

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

9 Claims

Compensatory device for varying an output pressure with respect to the input pressure said device comprising

— an elongated body (1) in which is formed a bore (1a) divided into at least two pressure chambers filled with fluid, the first (2) of which is subjected to the input pressure (Po) and the second (3) to the output pressure (P1),

— a first piston (4) sliding in the bore and serving to delimit the first and second chambers, said piston (4) having first and second pressure sections (S4a S4b) respectively exposed to the pressure of said first and second chambers,

— a valve (6) carried by said first piston and cooperating with an element (7) fastened to the elongated body, the element (7) and said first piston (4) commanding the opening or the closing of said valve (6) depending on the position of said first piston (4) in the bore,

bearing means (8 80, 81) exerting on said first piston (4) an elastic force on which said limit value of the pressure depends and which urges this piston toward a continuously open position in which the value is continuously open, and

reaction means (5,8,9,10,11) for exerting on said first piston (4) a force increasing with the input pressure (Po) against the action of the elastic force (f) exerted by the bearing means (8 80,81) said reaction means comprising a second piston (5) sliding sealingly relative to the first (4) and having the pressure section (S5a) exposed at least to the pressure of the first chamber a deformable member (8, 9) bearing at least against the second piston to receive a force which deforms this member as a function of at least the input pressure and to permit through its deformation a relative displacement of the two pistons toward a relative and position through the action of an increase in the input pressure and locking means (10, 11) able to prevent any additional relative displacement of the pistons when they have reached their relative end position and characterized in that the first piston (4) is at least partially annular and in that the second piston (5) slides inside this annular part of the first piston

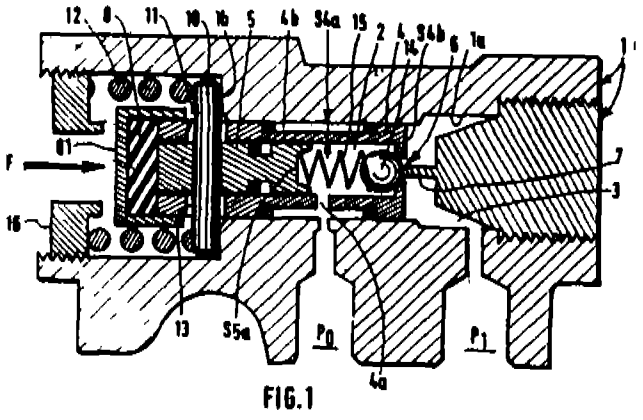


FIG.1

(Complete Specification 14 Pages Drawing Sheets 3)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section (1) of the Patents Act, 1970 the application for Patent No 630/Cal/96(181639) dated 15 7 1993 made by PRECISION VALUE AUSTRALIA PTY LIMITED AND RODNEY MALCOM DRUITT has been allowed the proceed in the name of CLOSURE AND PACKAGING SERVICES LIMITED

RENEWAL FEES PAID

183903 183270 178279 175283 173634 178720 183330 183770 185000 179557 173304 182053 181807 172568 177685 172001 170973 175911 174596 182106 185016 184999 176239 183649 179944 179945 185475 185164 175275 181649 182217 173345 175038 182133 180779 183229 177989 177095 174688 181996 175928 176234 170610 177037 183529 182255 170644 174999 175000 177208

PATENT SEALED ON 21 9 2001

185085*D 185155 185328*D 185457 185561 185562* 185567 185568 185570 185573 185574 185579 185580 185582 185586 185589 185590 185593 185594 185595* 185597 185600 185617 185618 185619 185620 185622* 185625 185628 185629 185634* 185644* 185645* 185646* 185647*

KOL—01, DEL—32, MUM—02, CHEN— NIL

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911

The date shown in the each entries is the date of the registration included in the entries

Class 01 No 184702 Kanin (India) Pvt Ltd Plot No 79, Sector 25 Faridabad-121004 'PUNCH' 19 February 2001

Class 01 No 184705 The Jay Engineering Works Ltd, 23 Kasturba Gandhi Marg, New Delhi-110001 India "PEDESTAL FAN", 22 February 2001

Class 01 No 184701 Kanin (India) Pvt Ltd, Plot No 79 Sector 25 Faridabad-121004 'THREE HOLE PUNCH" 19 February 2001

Class 01 No 184680 M/s Sidvin Machineries Pvt Ltd Site No 10, Third Stage, Industrial Suburb Mysore 570 008 Karnataka, India 'FOOD PROCESSING MACHINES", 15 February 2001

Class 01 No 184669 M/s Modern Door Devices (P) Ltd, V 17 Green Park Extn New Delhi-110016 India And Works at C 75A, Sector 8 Noida 201 301 (U P), (India) 'HINGE', 14 February 2001

Class 01 No 184600 Walker Exhaust India Pvt Ltd, Gat No 1396/97, At Post Sanaswadi, Talegaon Dhamdhere, Taluka Shirur, Dist Pune +21208 (India) "CATALYTIC CONVERTER USED FOR AUTOMIBILE INDUSTRY' 9 February 2001

Class 01 No 184472 TTK Prestige Ltd, Brigade Towers, 135 Brigade Road, Bangalore-560 025 Karnataka India "PRESSURE COOKER HANDLES", 18 January 2001

Class 03 No 185270&185271 Nissan Plast Survey No 655/1/B, Near Somnath Co Po, Society, Somnath Road, Dabhel Nanidaman, Daman 396310, Union Territories of Daman, India "WATER JUG", 10 April 2001

Class 03 No 185273 Vikram Industries GB-387, Mandiya Road, Pali-Marwar 306401 (Raj), Maharashtra, India "CONTAINER", 11 April 2001

Class 03 No 185210 Tipco Industries Ltd, Dharampur Cross Road, National Highway-8, Abrama, Valsad-396001, Gujarat, India "SUPPORT FRAMES USED IN MODULAR CONSTRUCTION UNITS", 30 March 2001

Class 03 No 185211 Tipco Industries Ltd, Dharampur Cross Road, National Highway-8, Abrama Valsad 396001, Gujarat India 'PLANAR PROFILES USED IN CONSTRUCTION MODULAR UNITS", 30 March 2001

Class 03 No 185288 Fiat Auto SPA, Corso Giovanni Agnelli 200, I 10135 Torino (Italy) "REAR VIEW MIRROR" 11 April 2001

Class 03 No's 185295 & 185294 Fiat Auto SPA, Corso Giovanni Agnelli 200, I-10135 Torino (Italy) "HUB CAP FOR CAR WHEEL", 11 April 2001

Class 03 No 185287 Fiat Auto SPA, Corso Giovanni Agnelli 200 I 10135 Torino (Italy) "FRONT LIGHT ASSEMBLY FOR MOTOR VEHICLES", 11 April 2001

Class 03 No 185334 Techno Plastics 3, Madhuban Industrial Estate Off Mahakali Caves Road, Andheri (E), Mumbai 400093 Maharashtra, India "SWITCH", 18 April 2001

Class 03 No 184631 The Procter & Gamble Company, State of Ohio, U S A, One Procter & Gamble Plaza Cincinnati, Ohio U S A "CONTAINER", 1 September 2000 (Priority U K)

Class 03 No 184762 Piaggio & C S p A, Viale Rinaldo Piaggio, 25-56025 Pontedera (Pisa), Italy "TWO WHEELED VEHICLE", 22 February 2001

Class 03 No's 185566 to 185568 Blow Plast Ergonomics Ltd DGP House, 88 C, Old Prabhadevi Road, Mumbai-400 025, Maharashtra India "FURNITURE SYSTEM", 16 May 2001

Class 03 No 184453 Cona Industries, 20/21, Neeraj Industrial Estate, Off Mahakali Road, Andheri East, Mumbai 400093, Maharashtra, India "CASING & CAPING FOR ELECTRICAL FITTINGS" 15 January 2001

Class 03 No 184619 Vinay Assoo Chedda, 83 T Tower, Mamalatdar Lane, Malad (W), Mumbai 400064, Maharashtra, India "SWITCH", 12 February 2001

Class. 03. No. 184337. Manak Chand Jain. 41-A, Virwani Industrial Estate, Goregaon (E), Mumbai-400063, Maharashtra, India. "BALL PEN", 2 January 2001

Class. 03. No's. 184335 & 184336. Acrolite Industries, 5, Sati Industrial Estate, I.B. Patel Road, Goregaon (E), Mumbai-400063, Maharashtra, India. "B[illegible]L", 2 January 2001.

Class. 03. No. 184338. Manak Chand Jain, 41-A, Virwani Industrial Estate, Goregaon (E), Mumbai-400063, Maharashtra, India. "BALL PEN" 2 Janua[illegible] 2001.

Class. 03. No. 184620 Vinay Assoo Chedda, 83 T Tower, Mamalatdar Lar[illegible]alad(W), Mumbai-400064, Mah[illegible] India "SWITCH PLATE", 12 [illegible]2001.

H. D THAKUR
Controller General of
Patents Designs & Trademarks

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